

20030625.qrp v02_n962.qrl.20030625

Date: Wed, 25 Jun 2003 19:03:12 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2962

QRP-L Digest 2962

Topics covered in this issue include:

- 1) [152906] RE: ARRL contest scores Was: QRP Coverage in QST
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 2) [152907] Re: ARRL contest scores Was: QRP Coverage in QST
by Alex <kr1st@amsat.org>
- 3) [152908] RE: QRP Coverage in QST
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 4) [152909] RE: QRP Coverage in QST
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 5) [152910] RE: New 5 MHz freq and antennas
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 6) [152911] RE: QRP Coverage in QST
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 7) [152912] RE: QRP Coverage in QST [Submit Articles]
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 8) [152913] RE: QRP Coverage in QST
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 9) [152914] RE: QRP Coverage in QST
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 10) [152915] VLF Receiver
by John Kirk <john.kirk@grainco.com.au>
- 11) [152916] Re: SuSE 8.2
by Tim Groat <tcgroat@earthlink.net>
- 12) [152917] Re: New 5 MHz freq and antennas
by Elliott Lawrence <edl@pacbell.net>
- 13) [152918] RE: New 5 MHz freq and antennas
by Karl Larsen <k5di@msn.com>
- 14) [152919] RE: New 5 MHz freq and antennas
by Adam Farson <farson@shaw.ca>
- 15) [152920] Re: New 5 MHz freq and antennas
by Rick McKee <kc8aon@juno.com>
- 16) [152921] Re: Single Line Postings
by "Leigh Hawkes" <ve1ga@rac.ca>
- 17) [152922] Re: Single Line Postings
by Bob Nielsen <nielsen@oz.net>
- 18) [152923] Re: QRP+/QRP++ new Eprom..a couple of reports of freq readout error.
by "Michael St. Angelo" <mstangelo@att.net>
- 19) [152924] Linux Slackware 9.0 Distro

- by Mike Malone KD5KXF <mmalone@ruggedridge.com>
- 20) [152925] Re: [ham] RE: New 5 MHz freq and antennas
by KD5NWA <KD5NWA@cbayona.com>
- 21) [152926] RE: QRP Coverage in QST
by David Hinerman <WD8CIV@worldnet.att.net>
- 22) [152927] Re: QRP Coverage in QST [Submit Articles]
by "Doc - W5TB" <w5tb@arrl.net>
- 23) [152928] Re: [ham] RE: New 5 MHz freq and antennas
by "George, W5YR" <w5yr@att.net>
- 24) [152929] Re: QRP Coverage in QST
by "Thomas Kuehl" <ac7a@earthlink.net>
- 25) [152930] WARC 2003 - Now this is going to be interesting!
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 26) [152931] BPL
by Bob Nielsen <nielsen@oz.net>
- 27) [152932] PayPal notice
by "Bob Hightower" <nk7m@extremezone.com>
- 28) [152933] HC908 Daughtercard v2 shipped
by "George Heron N2APB" <n2apb@erols.com>
- 29) [152934] Iowa QRP Club CW Net
by mark.milburn@juno.com
- 30) [152935] How good is the "mod" for 60 meters?
by "Terry Bassett" <ka9txe@arrl.net>
- 31) [152936] Re: How good is the "mod" for 60 meters?
by Bruce Muscolino <w6toy@erols.com>
- 32) [152937] Re: How good is the "mod" for 60 meters?
by Philip L Carter <pcarter@gcfn.org>
- 33) [152938] RE: Alexanderalternator on LF
by "Heimo J. Lyden" <fg5vij@golfinho.com>
- 34) [152939] 6-meter Simple DSB transceiver
by Tom Bowman <wa3rey@comcast.net>
- 35) [152940] Re: How good is the "mod" for 60 meters?
by Karl Larsen <k5di@msn.com>
- 36) [152941] Re: Propagation Question - International Beacons
by "Hugo W. Catta" <hugo@optonline.net>
- 37) [152942] Truffle announcement
by "George Osier" <gosier@twcnny.rr.com>
- 38) [152943] HAMCOM 2003 Pictures
by "kk5na" <kk5na@kk5na.com>
- 39) [152944] Re: How good is the "mod" for 60 meters?
by "Noyce, Bill" <william.noyce@hp.com>
- 40) [152945] RE: 6-meter Simple DSB transceiver
by "Ian Wilson" <ianmwilson@earthlink.net>
- 41) [152946] Source of Molded Inductors
by Mark Prather <wb9hfk@yahoo.com>
- 42) [152947] Re: 6-meter Simple DSB transceiver
by "Steven Weber" <kd1jv@moose.ncia.net>
- 43) [152948] Old Rigs

by "Steven Weber" <kd1jv@moose.ncia.net>
44) [152949] Word Wrap?
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
45) [152950] PayPal Warning
by "John" <jdorson@worldshare.net>
46) [152951] Re: Word Wrap?
by Alex <kr1st@amsat.org>
47) [152952] Re: How good is the "mod" for 60 meters?
by "John L. Sielke" <jsielke@pobox.com>
48) [152953] Re: Single Line Postings
by "Lee Hopper" <leehopp@msn.com>
49) [152954] Fw: [fpqrp] Truffle announcement
by "Jerry Ford" <benlightnd13@mchsi.com>
50) [152955] RE: How good is the "mod" for 60 meters?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
51) [152956] RE: Word Wrap?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
52) [152957] Re: Word Wrap?
by "Richard Brummer, K2JQ" <k2jq@rcn.com>
53) [152958] RE: Word Wrap?
by Mark Schoonover <schoon@amgt.com>
54) [152959] Re: Word Wrap?
by "Richard Brummer, K2JQ" <k2jq@rcn.com>
55) [152960] Electronics book on the web
by John Nall <jnall01@alltel.net>
56) [152961] Re: PayPal Warning
by "Mike Yetsko" <myetsko@insydesw.com>
57) [152962] Heathkit DX-20
by "res075cz" <res075cz@gte.net>
58) [152963] Re: PayPal Warning
by <n2go@arrl.net>
59) [152964] Re: Heathkit DX-20
by <n2go@arrl.net>
60) [152965] Re: How good is the "mod" for 60 meters?
by "John L. Sielke" <jsielke@pobox.com>
61) [152966] RE: How good is the "mod" for 60 meters?
by "John L. Sielke" <jsielke@pobox.com>
62) [152967] RE: Word Wrap?
by Adam Farson <farson@shaw.ca>
63) [152968] Re: Heathkit DX-20
by Tom Bowman <wa3rey@comcast.net>
64) [152969] OT: Small Cabin/Hamshack Plans
by Rob Matherly <w0jrm@arrl.net>
65) [152970] Re: OT: Small Cabin/Hamshack Plans
by Arthur Moe <kb7ww@easystreet.com>
66) [152971] Re: OT: Small Cabin/Hamshack Plans
by "Mike Yetsko" <myetsko@insydesw.com>
67) [152972] Re: OT: Small Cabin/Hamshack Plans

by <n2go@arrl.net>
68) [152973] Re: OT: Small Cabin/Hamshack Plans
by <n2go@arrl.net>
69) [152974] Re: Word Wrap?
by Philip L Carter <pcarter@gcfn.org>
70) [152975] RE: Small Cabin/Hamshack Plans
by "David Hinerman" <WD8CIV@worldnet.att.net>
71) [152976] Re: OT: Small Cabin/Hamshack Plans
by Bill ROWLETT <kc4atu@yahoo.com>
72) [152977] Re: Source of Molded Inductors
by Brad Thompson <Brad.Thompson@VALLEY.NET>
73) [152978] Re: How good is the "mod" for 60 meters?
by "George, W5YR" <w5yr@att.net>
74) [152979] RE: How good is the "mod" for 60 meters?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
75) [152980] RE: How good is the "mod" for 60 meters?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
76) [152981] Re: Old Rigs
by Bruce Muscolino <w6toy@erols.com>
77) [152982] Re: WARC 2003 - Now this is going to be interesting!
by Rick McKee <kc8aon@juno.com>
78) [152983] RE: How good is the "mod" for 60 meters?
by Steve Smith <sigcom@juno.com>
79) [152984] RE: How good is the "mod" for 60 meters?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
80) [152985] No Morse Code Test.
by Rick McKee <kc8aon@juno.com>
81) [152986] Re: WARC 2003 - Now this is going to be interesting!
by "Mike Yetsko" <myetsko@insydesw.com>

Date: Tue, 24 Jun 2003 19:18:00 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152906] RE: ARRL contest scores Was: QRP Coverage in QST
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F32CC@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

> A non member who does not score in the top 10 or so of any=20
> category can
> not find his or her score there. The PDF files you are mentioning only
> show what is published in QST, which is just a summary. Things are
> sometimes not as they appear. I've received confirmations from

> non-members expressing that they indeed can not access this=20
> information.

They can access the information by helping to pay for the resources that =
sponsored the contests, tabulated the scores, wrote the results and =
published them on a web page. If no one is willing to do this, the =
entirety of ARRL's work is over. I very much see your point, but the =
flip side of that is that every single resource that ARRL expends =
without support is one less thing that can be done for those that are =
willing to contribute.=20

73,=20

Ed Hare, W1RFI
ARRL Lab

> -----Original Message-----

> From: Alex [mailto:kr1st@amsat.org]

> Sent: Friday, June 20, 2003 12:21 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: ARRL contest scores Was: QRP Coverage in QST

>=20

>=20

> David Ek wrote:

> >=20

> > Alex,

> >=20

> > While some portions of contest coverage appear to be reserved for=20

> > members, in general it appears that the contest results=20

> > themselves are=20

> > downloadable by members and nonmembers alike. Go to

> >=20

> > <http://www.arrl.org/contests/results/>

> >=20

> > and note that the .pdf files corresponding to contest=20

> > results are not=20

> > marked as Members Only.

>=20

> Dave,

>=20

> Please review the page you are pointing at again carefully and you'll

> see my point.=20

>=20

> A non member who does not score in the top 10 or so of any=20

> category can

> not find his or her score there. The PDF files you are mentioning only

> show what is published in QST, which is just a summary. Things are

> sometimes not as they appear. I've received confirmations from

> non-members expressing that they indeed can not access this=20

> information.
>=20
> And as to the cost of publishing.....what is the cost to the community
> when the ARRL organizes an event that consumes large portions of a
> Public commodity, ether?. If a magazine like CQ can make their results
> available to the public, then I'm sure we're not having to be too
> concerned about the financial impact of publishing for the=20
> ARRL. Making
> the results available to everyone is the least they can do. Public
> Service.=20
>=20
> In fact, I do not know of any other contest sponsor that publishes
> complete contest results only to members. Even very small contest
> sponsors do this. The ARRL seems to be the exception. Please=20
> correct me
> if I'm wrong. This makes me even appreciate more what smaller
> organizations, like the various QRP clubs, do.
>=20
> 73,
> --Alex KR1ST
>=20

Date: Tue, 24 Jun 2003 19:19:45 -0400
From: Alex <kr1st@amsat.org>
To: ekdave@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>,
w4pwf@arrl.org, k4nk@arrl.org, n2zz@arrl.org, hq@arrl.org
Subject: [152907] Re: ARRL contest scores Was: QRP Coverage in QST
Message-ID: <3EF8DC91.CFA73A65@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Ek wrote:

> While some portions of contest coverage appear to be reserved for
> members, in general it appears that the contest results themselves are
> downloadable by members and nonmembers alike.

My apologies! I stand corrected. Dave is right, the PDF files do contain the complete contest results. I thought it was just a reproduction of the article in QST which only contains the top scores. I just reviewed the PDF files again and indeed after the pages that appear in QST you'll find additional (not printed) pages that contain all the scores.

Thanks Dave for setting me straight. My apologies to everyone who's time

I've wasted in this matter.

73,
--Alex KR1ST

Date: Tue, 24 Jun 2003 19:25:41 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152908] RE: QRP Coverage in QST
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F32CE@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

> Maybe if all QRPers quit QST they would understand participation.=20

Possibly, but it may also mean that I also have to quit visiting the BPL =
trial areas to make measurements. Just food for thought. If every =
member were to quit, do you think QRP would be better off?

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

ARRL is the National Association for Amateur Radio. It is supported by =
membership dues, individual contributions and the sale of publications =
and advertising. For more information about ARRL, go to =
<http://www.arrl.org/news/features/inside-your-league.html>. For more =
information about membership, go to <http://www.arrl.org/join.html>. Your =
contribution can also help support ARRL's ongoing efforts to protect =
Amateur spectrum. Go to =
<https://www.arrl.org/forms/development/donations/basic/> to learn more =
about the ways you can support the ARRL programs and activities of most =
importance to you. You can help ARRL protect Amateur Radio for you and =
future generations to enjoy.

> -----Original Message-----
> From: Bill Stietenroth [<mailto:k5zty@juno.com>]

> Sent: Monday, June 23, 2003 9:18 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: QRP Coverage in QST
>=20
>=20
>=20
> On Mon, 23 Jun 2003 19:38:11 -0500=20
> <richard.arland@verizon.net> writes:
> The reason=20
> > given by Joel Kleinman, editor of QST, was, "The enthusiasm for QRP=20
> > far outweighs the participation".=20
> >=20
> What kind of a lame reason is that? What is he saying, that=20
> we stuff the
> ballot box? How does he explain the huge rise in QRP contest=20
> entries over
> the last couple of years? You can't turn in a log if you don't
> participate. How does he explain the introduction of the QRP rigs by
> Yaesu and Icom who buy his advertising. They didn't produce=20
> QRP rigs on
> speculation that hams might participate in QRPsomeday. How do they
> explain the resounding success of Elecraft? Have they checked=20
> the rosters
> of the regional and national QRP clubs and taken a head count? How do
> they define participation? Isn't just reading QRP POWER in QST
> participation?? How intense do your QRP activities have to=20
> be before Mr
> Kleinman considers it participation? Do they ever look at this list?
> More ARRL members per capita than any other list on the web.=20
> Maybe if all
> QRPers quit QST they would understand participation.=20
>=20
> Bill, K5ZTY, ARRL #0001239153
> Houston, TX
> k5zty@juno.com
>=20

Date: Tue, 24 Jun 2003 19:26:22 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: <qrp-l@lehigh.edu>
Subject: [152909] RE: QRP Coverage in QST
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F32CF@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

No, but that may be a good one for them to consider for the next Zombie = Shuffle. :-)

73,=20

Ed Hare, W1RFI

ARRL Lab

225 Main St

Newington, CT 06111

Tel: 860-594-0318

Internet: w1rfi@arrl.org

Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Bob Nielsen [mailto:nielsen@oz.net]

> Sent: Monday, June 23, 2003 9:19 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: QRP Coverage in QST

>=20

>=20

> On Mon, Jun 23, 2003 at 08:03:41PM -0500, Dale Botkin wrote:

> > On Mon, 23 Jun 2003 richard.arland@verizon.net wrote:

> >=20

> > > "The enthusiam for QRP far outweighs the participation".

> >=20

> > Heh. He's never seen me tip the scales, I can tell! 8-)

> >=20

>=20

> They don't include operator weight in the Spartan Sprint.

>=20

>=20

Date: Tue, 24 Jun 2003 19:27:25 -0400

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [152910] RE: New 5 MHz freq and antennas

Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F32D00@kosh.arrlhq.org>

content-class: urn:content-classes:message

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

> Many QRPers, including me, were miffed when we heard that the=20
> new allocation
> didn't allow CW or data modes. But when you get lemons, make=20
> lemonade.

Many non-QRPers were miffed too, as well as the ARRL DC office!

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Nick Kennedy [mailto:nkennedy@tcainternet.com]

> Sent: Tuesday, June 24, 2003 12:31 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: New 5 MHz freq and antennas

>=20

>=20

> It certainly wouldn't be trivial, I agree. I was thinking more of
> moderately advanced hombrewers rather than average hams, though.

>=20

> The bandwidth (2.8 kHz) doesn't seem that challenging, but=20

> there's a lot to

> a SSB TX, regardless of whether it's for the new band or one=20

> of the existing

> ones.

>=20

> A lot might depend what one already has built that could be=20

> used in modular

> fashion. I have a couple of DDSs and a PLL VFO also. I'd=20

> probably use one

> of those as the VFO and a simple VXO to provide the carrier=20

> to the balanced

> modulator.

>=20

> Integrated balanced modulators are available and inexpensive.=20

> I have a

> bunch of MC1496s. Following that, you'd need a crystal=20

> filter, assuming

> you're using the classic filter method. Much has been published about

> designing and building them in the QRP world over the past=20

> few years. Or
> you could go with one of the phasing schemes that have been=20
> coming back in
> recent years.
>=20
> For the mixer, both active and diode types are readily=20
> available. Follow
> with a simple L/C LPF (or HPF, depending ...), then a few=20
> stages of power
> amplification followed by a LPF before the amplifier.
>=20
> Power amplification is probably one area where those of us=20
> who have picked
> most of our tech stuff from the QRP movement might have to=20
> grope a little.
> That's because we all do CW and data modes and most of our=20
> amplifier designs
> are non-linear, class C and E and XYZ. But the KD1JV 10 watt=20
> altoids linear
> might be a good example to the contrary.
>=20
> I left out the necessary microphone preamp and also some=20
> audio filtering to
> aid in meeting that 2.8 kHz requirement. That could be done=20
> with op-amps
> and active filters, or some combination of passive and active=20
> might be used.
> I'm right now re-reading some of the old W3NQN articles, as I=20
> have some of
> those old 88 mHy stacks available.
>=20
> Time is the biggest factor. You'd have to be a Steve Weber=20
> to be ready by
> July 3rd. But with some hard work, maybe I could be there by=20
> July 3rd,
> 2004.
>=20
> Many QRPers, including me, were miffed when we heard that the=20
> new allocation
> didn't allow CW or data modes. But when you get lemons, make=20
> lemonade.
>=20
> 72--Nick, WA5BDU
>=20
> ----- Original Message -----
> From: "Bill ROWLETT" <kc4atu@yahoo.com>
>=20
> > Coming up with a good SSB transmitter with the

> > required band width, may be more than the average ham
> > may want to tackle.
> >
> > 73, Bill kc4atu
>=20
>=20
>=20

Date: Tue, 24 Jun 2003 19:31:46 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [152911] RE: QRP Coverage in QST
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F32D1@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

There are some mighty good reasons that HQ staff don't write as much as =
they once did. I can recall about 12 years ago, I was tasked to come =
up with a new frequency counter for the Handbook. I spend a couple of =
months on the design, prototype, ordering parts, building the final =
version and doing the writeup -- maybe 15-20 hours per week. Two years =
later, all the major parts were obsolete and it was pulled from the =
book. Man, that was one expensive project. It is much more =
cost-effective for ARRL to get submissions from members and pay a page =
rate. Which would you have me work on, a new QRP rig, or trying to do =
something for Broadband over Power Line?

It is better for the organization, too, as QST and ARRL publications =
truly do become a membership journal. All good things in Amateur Radio =
do NOT come from Newington, CT!

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Bruce Muscolino [mailto:w6toy@erols.com]
> Sent: Tuesday, June 24, 2003 7:00 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: QRP Coverage in QST
>=20
>=20
> One other point, QST no longer has staffers dedicated to writing
> articles that may interest readers. If you want to see articles
> dedicated to your own particular interests, you've got to belly up to
> the bar and write them. I have written a couple of articles=20
> about thins
> that interested me, So can you. If you're interested enough=20
> to write a
> long letter to your director, you can also write for QST. There is no
> secret, just determination. I will volunteer to help anyone.
>=20
> 73
>=20

Date: Tue, 24 Jun 2003 19:36:58 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152912] RE: QRP Coverage in QST [Submit Articles]
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F32D2@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

The value of QRP in QST is not to the QRPer, at least not directly. We =
have a number of fine magazines that do a better job for QRP than QST =
ever can -- ever. But the presence in QST is important to help promote =
QRP to the person who has not yet figured out that he or she is a QRPer. =
What we have a right to expect is that our representation on ARRL is in =
fair proportion to our numbers. Though this community has an excellent =
track record for supporting the League, I think that what we get out of =
ARRL in terms of QRP articles, books, contests, and the like, is greater =
than our raw numbers would merit. There are some mighty good reasons for =
this, because QRP and this community compliment many of the goals of =
ARRL in getting people building, being active and the like.

If you have a neat new construction project that uses umpteen ICs and =
requires skill and dedication to build, submit it to one of the QRP =
rags. But if you have an article that will really hook the non-QRPer, =
including the right construction project, consider sending it for QST. =

Heck, for that matter, let 'em publish it on the ARRL web as a story. I =
will usually pick up on it and add it to the QRP page, so it becomes =
timeless either way. :-)

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Chuck Carpenter [mailto:w5usj@9plus.net]

> Sent: Tuesday, June 24, 2003 8:38 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: QRP Coverage in QST [Submit Articles]

>=20

>=20

> QRPers,

>=20

> One of the ways that would show support for QRP interests is=20

> to submit your

> articles and ideas to the magazine(s). But...

>=20

> We have a number of great niche magazines to support --=20

> published and on

> line -- so this compounds the problems with the major publishers. The

> niche magazines can publish your articles much quicker than=20

> the majors can.

> The specialty mags are also less critical about what they=20

> will accept.

>=20

> My experience with a specialty column in a computer magazine=20

> in the late

> 70s and early 80s was, I think, typical. I did the column for about 3

> years. Without the input and support of readers, I would=20

> have needed to

> create a lot of material. Even with a high level of interest=20

> in what was

> going on with the equipment and products this would be=20

> difficult. Readers

> comments and input about things they were doing made the job=20

> much easier.

>=20

> You don't have to be a technical writer to produce an=20
> article. That's the
> job of the magazine editors and column writers. Send in your=20
> ideas. The
> magazine writers and editors will help you develop an article=20
> that will fit
> their format. It helps a bunch if you take the time to write in their
> format though. Most magazines, especially the majors, publish a style
> guide to help you do the job.
>=20
>=20
>=20
>=20
> Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
> QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
> Zombie #759, COG #11, 6 Club #201, FP #601 <http://www.netxqrp.org>
>=20

Date: Tue, 24 Jun 2003 19:38:36 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152913] RE: QRP Coverage in QST
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F32D3@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On what do you base this statement?

>and since it seems to be just a tiny step away of sharing extensive =
membership data with commercial interests

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Alex [mailto:kr1st@amsat.org]
> Sent: Tuesday, June 24, 2003 8:55 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: QRP Coverage in QST
>=20
>=20
> richard.arland@verizon.net wrote:
>=20
> > Some of you might have picked up on the fact that the QRP=20
> column in QST, QRP Power,
> > was cut back to only ONE page AGAIN. The reason given by=20
> Joel Kleinman,
> > editor of QST, was, "The enthusiam for QRP far outweighs=20
> the participation".
>=20
> I noticed that, too. That is really too bad. I wonder what=20
> that sentence
> means though. Dan Henderson recently wrote that QRP entries in ARRL
> sponsored contests are on the rise. I see many other signs that
> participation is growing. Look at successes like the FT-817=20
> or kits like
> the Rock Mite, for instance.
>=20
> Perhaps Joel means participation in submission of material? Well, if
> that were the case then he could have just said so instead of using a
> rather meaningless phrase as "The enthusiasm for QRP far outweighs the
> participation" So I really doubt that's it.
>=20
> Usually when phrases like that are used it means that a certain goal
> wasn't met. Perhaps the ARRL means participation of QRP enthusiasts in
> the Diamond Club.
>=20
> I have to say though that QST has improved greatly. I recently got a
> bunch of QST from the early 90s and I thought that they were=20
> not half as
> informative as QST is now. It seemed to me that there are many more
> technical, project type, articles in QST now than in the ones I
> borrowed.
>=20
> However, since the ARRL has chosen to focus mostly on volunteerism and
> emergency comms, decided to affiliate with organisations without
> consulting its members, and since it seems to be just a tiny step away
> of sharing extensive membership data with commercial interests, I've
> decided to trade my ARRL membership for a subscription to CQ Magazine.
>=20
> See, the ARRL's enthousiasm for QRP far outweighs its participation.
>=20
> 73,

> --Alex KR1ST
>=20

Date: Tue, 24 Jun 2003 19:40:12 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [152914] RE: QRP Coverage in QST
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F32D4@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

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> emergency comms, decided to affiliate with organisations without
> consulting its members, and since it seems to be just a tiny step away
> of sharing extensive membership data with commercial interests, I've
> decided to trade my ARRL membership for a subscription to CQ Magazine.

After all the email exchanges you and I have had about the value of =
ARRL's work on BPL, and you reach this conclusion?

I have been working 70+ hours a week for the past month on BPL, and I =
read this? How do you think that makes me feel? =20

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Alex [mailto:kr1st@amsat.org]
> Sent: Tuesday, June 24, 2003 8:55 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: QRP Coverage in QST
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> > editor of QST, was, "The enthusiam for QRP far outweighs=20
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> emergency comms, decided to affiliate with organisations without
> consulting its members, and since it seems to be just a tiny step away
> of sharing extensive membership data with commercial interests, I've
> decided to trade my ARRL membership for a subscription to CQ Magazine.
>=20
> See, the ARRL's enthousiasm for QRP far outweighs its participation.
>=20
> 73,
> --Alex KR1ST
>=20

Date: Wed, 25 Jun 2003 09:55:47 +1000
From: John Kirk <john.kirk@grainco.com.au>
To: "'fg5vij@golfinho.com'" <fg5vij@golfinho.com>

Cc: "'qrp-1@Lehigh.edu'" <qrp-1@Lehigh.edu>
Subject: [152915] VLF Receiver
Message-ID: <604A0B501F38D3118AAA00805FF5BC7D04FE525A@tmba2.grainco.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi Heimo:

I haven't personally tried this, but apparently it is possible to receive SAQ directly on your PC's sound card. It doesn't get much simpler than that!

Check out www.qsl.net/dl4yhf/vlf_rcvr.htm

Ciao

John Kirk VK4TJ

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(4) Views expressed by any individual in this email or attachments do not necessarily reflect GA's views.

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Date: Tue, 24 Jun 2003 18:04:38 -0600
From: Tim Groat <tcgroat@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [152916] Re: SuSE 8.2

Message-ID: <5.1.1.6.2.20030624180117.00a2e0a0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Linux requires a 386 or later (among Intel processors). It won't run on 8088, 8086, or 80286. Realistically, anything that runs Win9x should be fine for linux.

72,
--Tim (KR0U)

>Ray Sills <raysills@1stconnect.com>
>
> > Hi Gang:
> >
> > Although I don't have a machine that can run Linux,
>
>[snip]
>
>Is there actually a machine in the universe that can't run
>Linux???

Date: Tue, 24 Jun 2003 17:15:51 -0700
From: Elliott Lawrence <edl@pacbell.net>
To: w1rfi@arrl.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152917] Re: New 5 MHz freq and antennas
Message-ID: <3EF8E9B7.9BFADF43@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bet that the FCC wants to closely monitor the activity on this new band and they don't have any operators proficient in CW!!

72
Elliott WA6TLA

"Hare,Ed, W1RFI" wrote:

> > Many QRPers, including me, were miffed when we heard that the
> > new allocation
> > didn't allow CW or data modes. But when you get lemons, make
> > lemonade.
>

> Many non-QRPerS were miffed too, as well as the ARRL DC office!
>
> 73,
> Ed Hare, W1RFI
> ARRL Lab
> 225 Main St
> Newington, CT 06111
> Tel: 860-594-0318
> Internet: w1rfi@arrl.org
> Web: <http://www.arrl.org/tis>
>
> > -----Original Message-----
> > From: Nick Kennedy [mailto:nkennedy@tcainternet.com]
> > Sent: Tuesday, June 24, 2003 12:31 AM
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: New 5 MHz freq and antennas
> >
> >
> > It certainly wouldn't be trivial, I agree. I was thinking more of
> > moderately advanced hombrewers rather than average hams, though.
> >
> > The bandwidth (2.8 kHz) doesn't seem that challenging, but
> > there's a lot to
> > a SSB TX, regardless of whether it's for the new band or one
> > of the existing
> > ones.
> >
> > A lot might depend what one already has built that could be
> > used in modular
> > fashion. I have a couple of DDSs and a PLL VFO also. I'd
> > probably use one
> > of those as the VFO and a simple VXO to provide the carrier
> > to the balanced
> > modulator.
> >
> > Integrated balanced modulators are available and inexpensive.
> > I have a
> > bunch of MC1496s. Following that, you'd need a crystal
> > filter, assuming
> > you're using the classic filter method. Much has been published about
> > designing and building them in the QRP world over the past
> > few years. Or
> > you could go with one of the phasing schemes that have been
> > coming back in
> > recent years.
> >
> > For the mixer, both active and diode types are readily
> > available. Follow

> > with a simple L/C LPF (or HPF, depending ...), then a few
> > stages of power
> > amplification followed by a LPF before the amplifier.
> >
> > Power amplification is probably one area where those of us
> > who have picked
> > most of our tech stuff from the QRP movement might have to
> > grope a little.
> > That's because we all do CW and data modes and most of our
> > amplifier designs
> > are non-linear, class C and E and XYZ. But the KD1JV 10 watt
> > altoids linear
> > might be a good example to the contrary.
> >
> > I left out the necessary microphone preamp and also some
> > audio filtering to
> > aid in meeting that 2.8 kHz requirement. That could be done
> > with op-amps
> > and active filters, or some combination of passive and active
> > might be used.
> > I'm right now re-reading some of the old W3NQN articles, as I
> > have some of
> > those old 88 mHy stacks available.
> >
> > Time is the biggest factor. You'd have to be a Steve Weber
> > to be ready by
> > July 3rd. But with some hard work, maybe I could be there by
> > July 3rd,
> > 2004.
> >
> > Many QRPers, including me, were miffed when we heard that the
> > new allocation
> > didn't allow CW or data modes. But when you get lemons, make
> > lemonade.
> >
> > 72--Nick, WA5BDU
> >
> > ----- Original Message -----
> > From: "Bill ROWLETT" <kc4atu@yahoo.com>
> >
> > > Coming up with a good SSB transmitter with the
> > > required band width, may be more than the average ham
> > > may want to tackle.
> > >
> > > 73, Bill kc4atu
> >
> >
> >

Date: Tue, 24 Jun 2003 18:24:54 -0600 (MDT)
From: Karl Larsen <k5di@msn.com>
To: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152918] RE: New 5 MHz freq and antennas
Message-ID: <Pine.LNX.4.44.0306241804480.2302-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ed and the group. I went to the ARRL web page and found where I could download the actual FCC minutes that include where they made the 60 Meter Ham Band. I use Linux and the file was a .doc but no problem any more and OpenOffice, of course Free from Sun Microsystems, opened the minutes and I read till they got to the 60 meter band stuff.

It appears that Homeland Security told FCC what to do and they did it. It was Homeland that set the 50 watts effective output and the very channel like frequencies are what Homeland has in the same band. We will be side by side with Government channels where they run a whole lot more power. Should not be a problem since there are 10's of KHz between channels.

If we can work in this environment I think Homeland will be interested in our ability to move our channel on theirs when a need exists. And in the meantime the Hams can Ham on their channels.

I was a bit concerned that our radios may be a small bit wider than the 2.9 KHz specified, but in the minutes it was said that since our power is so low, the current bandwidth rules for Hams will be good enough. So I'm ready to work this band with my mobile. I have a TS-50 that has been set up to work all bands it can hear on. I have the 4 frequencies in memory and the screwdriver antenna tunes right up there.

I hope there will be a lot of Hams trying this band. We used it in the Army while I worked there and it's different. It is a good place to operate.

On Tue, 24 Jun 2003, Hare,Ed, W1RFI wrote:

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> > new allocation

> > didn't allow CW or data modes. But when you get lemons, make
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>
> Many non-QRPers were miffed too, as well as the ARRL DC office!
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> 73,
> Ed Hare, W1RFI
> ARRL Lab
> 225 Main St
> Newington, CT 06111
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> Internet: w1rfi@arrl.org
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> > Sent: Tuesday, June 24, 2003 12:31 AM
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> > > may want to tackle.

> > >
> > > 73, Bill kc4atu
> >
> >
> >
> >
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Tue, 24 Jun 2003 17:21:32 -0700
From: Adam Farson <farson@shaw.ca>
To: Low Power Amateur Radio Discussion <qrp-1@LEHIGH.EDU>
Subject: [152919] RE: New 5 MHz freq and antennas
Message-ID: <DMEILAEADPNBAHKBNMMHOFDFHAA.farson@shaw.ca>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Hi Elliott,

No, but the Commission has (or can procure) software that can read Morse code off the air. Should the need arise, the FCC can also enlist the aid of other agencies equipped with the necessary surveillance/interception tools.

Besides, the NTIA probably has a greater potential interest in any traffic on these channels than the FCC. And they certainly have access to the necessary "means and methods"!

Cheers for now, 73,
Adam VA7OJ/AB4OJ

Date: Tue, 24 Jun 2003 20:20:33 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [152920] Re: New 5 MHz freq and antennas
Message-ID: <20030624.202554.8598.3.kc8aon@juno.com>

I think you've got something there OM !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP #269
QRP'ers DEPEND ON SKILL - NOT RAW POWER !

On Tue, 24 Jun 2003 17:15:51 -0700 Elliott Lawrence <edl@pacbell.net>
writes:

>Bet that the FCC wants to closely monitor the activity on this new
>band and
>they don't have any operators proficient in CW!!
>72
>Elliott WA6TLA

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Tue, 24 Jun 2003 21:47:52 -0300
From: "Leigh Hawkes" <ve1ga@rac.ca>
To: <qrp-l@Lehigh.EDU>
Subject: [152921] Re: Single Line Postings
Message-ID: <000301c33ab3\$6945e090\$6400a8c0@leighck46i9ilt>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all those who responded to my query. I guess the good(?) news is
that I'm not alone. Using Win Xp / IE 6.0, hitting the EDIT , Select All,
Copy, then opening MS Word , then go to EDIT, select Paste, does end up
getting the message formatted in paragraph style so it can be read. More
than a bit tedious, but it does work and can be used if it looks like the
posting may be worth looking at.

73,
Leigh, VE1GA

Date: Tue, 24 Jun 2003 18:10:11 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [152922] Re: Single Line Postings
Message-ID: <20030625011011.GA11376@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Tue, Jun 24, 2003 at 09:47:52PM -0300, Leigh Hawkes wrote:
> Thanks to all those who responded to my query. I guess the good(?) news is
> that I'm not alone. Using Win Xp / IE 6.0, hitting the EDIT , Select All,
> Copy, then opening MS Word , then go to EDIT, select Paste, does end up
> getting the message formatted in paragraph style so it can be read. More
> than a bit tedious, but it does work and can be used if it looks like the
> posting may be worth looking at.

Yes, but it's a bit of trouble and could be avoided if everyone turned
on word-wrap in their mail program.

Date: Tue, 24 Jun 2003 22:03:33 -0400
From: "Michael St. Angelo" <mstangelo@att.net>
To: <qrp-1@lehigh.edu>
Subject: [152923] Re: QRP+/QRP++ new Eprom..a couple of reports of freq readout
error.
Message-ID: <00ef01c33abd\$fbd24fc0\$2c4e590c@5b1e3>

Earl,

If I remember correctly, the first IF crystal filter could have different
center frequencies, so
the BFO injection frequencies were custom programed for each radio.

I have a QRP++ If you could tell us which EPROM location to change and
what the updated contents are,
can copy my eprom, modify the contents, and see if I have full transmit
coverage with no frequency offset.

73,

Mike N2MS

Date: Tue, 24 Jun 2003 20:56:16 -0500
From: Mike Malone KD5KXF <mmalone@ruggedridge.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [152924] Linux Slackware 9.0 Distro
Message-ID: <200306242056.16498.mmalone@ruggedridge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Sorry gang... all the experimenting with software lately has had me making many changes to my system and I accidentally put my old email address in as default. My current email address is mmalone@ruggedridge.com. Sorry for the confusion.

[This E-mail scanned for viruses by Declude Virus]

Date: Tue, 24 Jun 2003 21:00:15 -0500
From: KD5NWA <KD5NWA@cbayona.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152925] Re: [ham] RE: New 5 MHz freq and antennas
Message-ID: <5.2.0.9.0.20030624205103.00a9de00@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I hope people can wait until they can use the frequency, tuning up a transmitter except into a dummy load is transmitting and the channels are not available yet, it would be good to let the government know, that we can control ourselves, so they can give us a bigger band.

I have already heard several persons tuning their transmitters on the 60 meter channels.

At 07:24 PM 6/24/2003, Karl Larsen wrote:

> Hi Ed and the group. I went to the ARRL web page and found where
>I could download the actual FCC minutes that include where they made the
>60 Meter Ham Band. I use Linux and the file was a .doc but no problem
>any more and OpenOffice, of course Free from Sun Microsystems, opened the
>minutes and I read till they got to the 60 meter band stuff.

>
> It appears that Homeland Security told FCC what to do and they
> did it. It was Homeland that set the 50 watts effective output and the
> very channel like frequencies are what Homeland has in the same band. We
> will be side by side with Government channels where they run a whole lot
> more power. Should not be a problem since there are 10's of KHz between
> channels.

>
> If we can work in this environment I think Homeland will be
> interested in our ability to move our channel on theirs when a need
> exists. And in the meantime the Hams can Ham on their channels.

>
> I was a bit concerned that our radios may be a small bit wider
> than the 2.9 KHz specified, but in the minutes it was said that since
> our power is so low, the current bandwidth rules for Hams will be good
> enough. So I'm ready to work this band with my mobile. I have a TS-50
> that has been set up to work all bands it can hear on. I have the 4
> frequencies in memory and the screwdriver antenna tunes right up there.

>
> I hope there will be a lot of Hams trying this band. We used it
> in the Army while I worked there and it's different. It is a good place
> to operate.

>
>
>

> On Tue, 24 Jun 2003, Hare, Ed, W1RFI wrote:

>
> > > Many QRPers, including me, were miffed when we heard that the
> > > new allocation
> > > didn't allow CW or data modes. But when you get lemons, make
> > > lemonade.

> >
> > Many non-QRPers were miffed too, as well as the ARRL DC office!

> >
> > 73,
> > Ed Hare, W1RFI
> > ARRL Lab
> > 225 Main St
> > Newington, CT 06111
> > Tel: 860-594-0318
> > Internet: w1rfi@arrl.org
> > Web: <http://www.arrl.org/tis>

> >
> >
> >

> > > -----Original Message-----
> > > From: Nick Kennedy [mailto:nkennedy@tcainternet.com]
> > > Sent: Tuesday, June 24, 2003 12:31 AM

> > > To: Low Power Amateur Radio Discussion
> > > Subject: Re: New 5 MHz freq and antennas
> > >
> > >
> > > It certainly wouldn't be trivial, I agree. I was thinking more of
> > > moderately advanced hambrewers rather than average hams, though.
> > >
> > > The bandwidth (2.8 kHz) doesn't seem that challenging, but
> > > there's a lot to
> > > a SSB TX, regardless of whether it's for the new band or one
> > > of the existing
> > > ones.
> > >
> > > A lot might depend what one already has built that could be
> > > used in modular
> > > fashion. I have a couple of DDSs and a PLL VFO also. I'd
> > > probably use one
> > > of those as the VFO and a simple VXO to provide the carrier
> > > to the balanced
> > > modulator.
> > >
> > > Integrated balanced modulators are available and inexpensive.
> > > I have a
> > > bunch of MC1496s. Following that, you'd need a crystal
> > > filter, assuming
> > > you're using the classic filter method. Much has been published about
> > > designing and building them in the QRP world over the past
> > > few years. Or
> > > you could go with one of the phasing schemes that have been
> > > coming back in
> > > recent years.
> > >
> > > For the mixer, both active and diode types are readily
> > > available. Follow
> > > with a simple L/C LPF (or HPF, depending ...), then a few
> > > stages of power
> > > amplification followed by a LPF before the amplifier.
> > >
> > > Power amplification is probably one area where those of us
> > > who have picked
> > > most of our tech stuff from the QRP movement might have to
> > > grope a little.
> > > That's because we all do CW and data modes and most of our
> > > amplifier designs
> > > are non-linear, class C and E and XYZ. But the KD1JV 10 watt
> > > altoids linear
> > > might be a good example to the contrary.
> > >

> > > I left out the necessary microphone preamp and also some
> > > audio filtering to
> > > aid in meeting that 2.8 kHz requirement. That could be done
> > > with op-amps
> > > and active filters, or some combination of passive and active
> > > might be used.
> > > I'm right now re-reading some of the old W3NQN articles, as I
> > > have some of
> > > those old 88 mHy stacks available.
> > >
> > > Time is the biggest factor. You'd have to be a Steve Weber
> > > to be ready by
> > > July 3rd. But with some hard work, maybe I could be there by
> > > July 3rd,
> > > 2004.
> > >
> > > Many QRPers, including me, were miffed when we heard that the
> > > new allocation
> > > didn't allow CW or data modes. But when you get lemons, make
> > > lemonade.
> > >
> > > 72--Nick, WA5BDU
> > >
> > > ----- Original Message -----
> > > From: "Bill ROWLETT" <kc4atu@yahoo.com>
> > >
> > > > Coming up with a good SSB transmitter with the
> > > > required band width, may be more than the average ham
> > > > may want to tackle.
> > > >
> > > > 73, Bill kc4atu
> > >
> > >
> > >
> >
>
>--
>
> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Cecil
KD5NWA

Date: Tue, 24 Jun 2003 21:54:02 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-1@lehigh.edu
Subject: [152926] RE: QRP Coverage in QST
Message-ID: <5.1.1.6.1.20030624215200.00b1f5e0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ed,

Or as an offset to the temperature modifier at FYBO.

Dave

At 07:26 PM 6/24/2003 -0400, you wrote:

>No, but that may be a good one for them to consider for the next Zombie
>Shuffle. :-)

>

>73,

>Ed Hare, W1RFI

>ARRL Lab

>225 Main St

>Newington, CT 06111

>Tel: 860-594-0318

>Internet: w1rfi@arrl.org

>Web: <http://www.arrl.org/tis>

>

>

>

> > -----Original Message-----

> > From: Bob Nielsen [mailto:nielsen@oz.net]

> > Sent: Monday, June 23, 2003 9:19 PM

> > To: Low Power Amateur Radio Discussion

> > Subject: Re: QRP Coverage in QST

> >

> >

> > On Mon, Jun 23, 2003 at 08:03:41PM -0500, Dale Botkin wrote:

> > > On Mon, 23 Jun 2003 richard.arland@verizon.net wrote:

> > >

> > > > "The enthusiam for QRP far outweighs the participation".

> > >

> > > Heh. He's never seen me tip the scales, I can tell! 8-)

> > >

> >

> > They don't include operator weight in the Spartan Sprint.

> >

> >

Dave Hinerman

WD8CIV@att.net

Date: Tue, 24 Jun 2003 21:31:27 -0500
From: "Doc - W5TB" <w5tb@arrl.net>
To: <w1rfi@arrl.org>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152927] Re: QRP Coverage in QST [Submit Articles]
Message-ID: <00ae01c33ac1\$e41534c0\$0400a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

> The value of QRP in QST is not to the QRPer, at least not directly. We =
have a number of fine magazines that do a better job for QRP than QST =
ever can -- ever. But the presence in QST is important to help promote =
QRP to the person who has not yet figured out that he or she is a QRPer. =
=20

Well said Ed -- I've stayed out of this one but you are 100% correct =
here and in my humble opinion you and other ARRL staffers have done a =
terrific job of helping spread the word on QRP through numerous articles =
in QST, league publications, and more recently via the ARRL web site.

We'd all like to see more QRP in QST, but let's face facts. Times are =
hard - expenses are up, revenue is down, and the league has had to make =
some tough decisions regarding space in QST. It appears to me QRPers =
have suffered no worse than anybody else and that the league continues =
to help promote QRP exactly as Ed states so eloquently above.=20

Keep up the good work Ed!

72, 73, oo T.E. 'Doc' Drake, W5TB
Arlington, Texas
FISTS # 5365 QRPARCI # 3532 ARRL Life Member K1 #181 K2#1617

Date: Tue, 24 Jun 2003 21:40:05 -0500
From: "George, W5YR" <w5yr@att.net>
To: "Karl F. Larsen" <k5di@zianet.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152928] Re: [ham] RE: New 5 MHz freq and antennas

Message-ID: <00ed01c33ac3\$1840a7b0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl, I think you made a typo. The FCC channel width assignment is 2800 Hz,
not 2900 Hz.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

> > I was a bit concerned that our radios may be a small bit wider
> >than the 2.9 KHz specified, but in the minutes it was said that since
> >our power is so low, the current bandwidth rules for Hams will be good
> >enough.

Date: Tue, 24 Jun 2003 20:05:28 -0700
From: "Thomas Kuehl" <ac7a@earthlink.net>
To: <w1rfi@arrl.org>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152929] Re: QRP Coverage in QST
Message-ID: <003301c33ac6\$a180bc10\$120110ac@texas6oef4glwm>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed,

Those of us who know you, and other ARRL dedicated staffers, appreciate your
hard work and don't for a moment question your commitment to the betterment
of amateur radio. Thanks for all your tireless work on RFI issues, the
wireless phone jacks (a few years back), and now BPL.

Yep, I don't always agree with the league, but I will always be a member.
Maybe it is better that we sometimes lose a few members.

Best Regards, Thomas - AC7A (Tucson)

P.S. Sorry I included the previous messages, but that explains my comments.

----- Original Message -----

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, June 24, 2003 4:40 PM

Subject: RE: QRP Coverage in QST

> > However, since the ARRL has chosen to focus mostly on volunteerism and
> > emergency comms, decided to affiliate with organisations without
> > consulting its members, and since it seems to be just a tiny step away
> > of sharing extensive membership data with commercial interests, I've
> > decided to trade my ARRL membership for a subscription to CQ Magazine.

>

> After all the email exchanges you and I have had about the value of ARRL's
work on BPL, and you reach this conclusion?

>

> I have been working 70+ hours a week for the past month on BPL, and I read
this? How do you think that makes me feel?

>

> 73,

> Ed Hare, W1RFI

> ARRL Lab

> 225 Main St

> Newington, CT 06111

> Tel: 860-594-0318

> Internet: w1rfi@arrl.org

> Web: <http://www.arrl.org/tis>

>

>

>

> > -----Original Message-----

> > From: Alex [mailto:kr1st@amsat.org]

> > Sent: Tuesday, June 24, 2003 8:55 AM

> > To: Low Power Amateur Radio Discussion

> > Subject: Re: QRP Coverage in QST

> >

> >

> > richard.arland@verizon.net wrote:

> >

> > > Some of you might have picked up on the fact that the QRP

> > column in QST, QRP Power,

> > > was cut back to only ONE page AGAIN. The reason given by

> > Joel Kleinman,

> > > editor of QST, was, "The enthusiam for QRP far outweighs
> > the participation".
> >
> > I noticed that, too. That is really too bad. I wonder what
> > that sentence
> > means though. Dan Henderson recently wrote that QRP entries in ARRL
> > sponsored contests are on the rise. I see many other signs that
> > participation is growing. Look at successes like the FT-817
> > or kits like
> > the Rock Mite, for instance.
> >
> > Perhaps Joel means participation in submission of material? Well, if
> > that were the case then he could have just said so instead of using a
> > rather meaningless phrase as "The enthusiasm for QRP far outweighs the
> > participation" So I really doubt that's it.
> >
> > Usually when phrases like that are used it means that a certain goal
> > wasn't met. Perhaps the ARRL means participation of QRP enthusiasts in
> > the Diamond Club.
> >
> > I have to say though that QST has improved greatly. I recently got a
> > bunch of QST from the early 90s and I thought that they were
> > not half as
> > informative as QST is now. It seemed to me that there are many more
> > technical, project type, articles in QST now than in the ones I
> > borrowed.
> >
> > However, since the ARRL has chosen to focus mostly on volunteerism and
> > emergency comms, decided to affiliate with organisations without
> > consulting its members, and since it seems to be just a tiny step away
> > of sharing extensive membership data with commercial interests, I've
> > decided to trade my ARRL membership for a subscription to CQ Magazine.
> >
> > See, the ARRL's enthousiasm for QRP far outweighs its participation.
> >
> > 73,
> > --Alex KR1ST
> >
>

Date: Wed, 25 Jun 2003 04:05:06 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: qrp-l@Lehigh.EDU, fpqrp-l@mpna.com
Subject: [152930] WARC 2003 - Now this is going to be interesting!

Message-ID: <Law11-F54NrSxbRVNBx000048c2@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Was perusing the ARRL website and found these tidbits:

"One matter on which there appears to be no disagreement is the Morse requirement," said International Amateur Radio Union (IARU) Secretary (and ARRL CEO) David Sumner, K1ZZ, in a report on the second week of activity at WRC-03. "It is clear that the outcome will be to leave it to administrations' discretion whether or not to have a Morse receiving and sending requirement. No administration participating in the sub-working group spoke in favor of retaining the Morse code treaty requirement."

So, I wonder how long it will be until someone petitions the FCC to eliminate Element 1? And you thought the Know Code/No Code threads on QRZ.com and other places were intense before <grin>.

And I found this bit as well.....

"In other Amateur Radio-related items, revisions to Article 19 of the Radio Regulations to provide more flexibility for administrations to assign amateur call signs were among the first to make their way through an initial reading in the Plenary. Administrations would be able to assign amateur stations call signs with suffixes containing up to four characters--the last of which would be a letter. The prefix would be the national identifier and a single numeral (the "call district" in some countries) specified in the Radio Regulations. For special events, the revision provides for even more than four characters for temporary use."

Lets see, who wants W9JQYJ? Hmm, mebbe the FCC should start begin to issue those calls to the first group of No-Code Generals, heck since they won't be on CW they won't have to worry about all them extra "dits and dahs" <grin>. But it does open up some interesting possibilities for new calls tho....

72 es oo

Dennis - WB0WAO

EN84ij Iosco County, Michigan
MultiPig+ #3 - K2 #3555 (In Pre-Production)
DSW-II-20 - SW-40+ - SW-30+
RM-20 - RM-40

NJQRP #329 - FPQRP #-347 - SOC #499
GACW #622 - ARS #1363 - QRP Canada #248

FISTS # 9299
Charter Member - Michigan DX Association
www.qsl.net/wb0wao
:=)

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
<http://join.msn.com/?page=features/virus>

Date: Tue, 24 Jun 2003 21:27:21 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [152931] BPL
Message-ID: <20030625042721.GB11963@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Why all the commotion about the Brass Pounders League?

Emily Latella

Date: Tue, 24 Jun 2003 21:50:37 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: <qrp-1@lehigh.edu>
Subject: [152932] PayPal notice
Message-ID: <000801c33ad5\$53942a50\$194998d0@Bob>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Someone has gotten into the PayPal files, and the PayPal scam is starting again. If you receive a message from "service" asking you to click on a link to verify your account information, don't do it.

The message is not from PayPal, and you will be giving them your account information and, possibly, your credit card/bank account info.

This scam was around last fall, and PayPal/EBay caught it, but it caused some problems.

Date: Wed, 25 Jun 2003 00:56:20 -0700
From: "George Heron N2APB" <n2apb@erols.com>
To: "EPA-QRP" <EPA-QRP@yahooogroups.com>, "NJQRP" <njqrp@njqrp.org>,
"NoVAQRP" <NoVaQRP@topica.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [152933] HC908 Daughtercard v2 shipped
Message-ID: <003c01c33aef\$86e03060\$b70aa8c0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all -

Several weeks back we shipped the second run of HC908 Daughtercards and all of the latest outstanding orders have been filled. In fact, we have plenty of stock remaining with this round of boards and can ship immediately from stock.

We made some improvements and additions to the software programs that come pre-loaded on these HC908 'cards. Version 2 provides a piezo tone function, much more precise timing in the interrupt processing, and several bug fixes. We've also reduced the coupling of the HCmon debug monitor to the user application code, thus providing a slightly more robust software framework. (That is, the user will be less likely to cause permanent problems with coding errors.)

You can see the online source code, listing files and other real useful resource information starting at the HC908 project page ...
<http://www.njqrp.org/hc908>

Okay ... now for all of you who are asking "What the heck is an HC908 Daughtercard?", this project is a small 2"-square pre-assembled, tested and programmed microcontroller card that is useful in many ham projects around the shack. Out of the box, it can connect to your PC over its RS232 serial port and allow you to control low-level register, memory and I/O capabilities using its built-in debug monitor. Similarly, the pre-loaded "exerciser" program demonstrates many of the built-in capabilities of the daughtercard assembly: drivers for LCD display, rotary encoder, potentiometer readings via an A/D, piezo tone generation, iambic paddle input, DDS signal generation, and more. Just as your own interface components, as desired, to make any number of the projects outlined on the HC908 Resource page.

To use the HC908 Daughtercard in any of the canned ways, all you need to do is download the desired software program from the website to your PC, then burn that program into your HC908 Daughtercard with the debug monitor

provided with the project. Then wire up a few components per the schematics provided and you'll be in business.

Alternatively, you can use the source code provided with the project as examples that you can modify to create your own programs. Free software development tools (and editor and assembler) are available from the Internet and you'll be whipping up your own projects in no time, if desired.

The HC908 Daughtercard is also being used as the heart of the upcoming Antenna Analyzer-II (<http://www.njqrp.org/antanal/index.html>), currently finishing up the development phase and soon to be offered as an NJQRP kit. An option will be available for one to purchase the "AntAnal" kit without the HC908 Daughtercard, thus allowing you to get multiple use from an earlier purchase of the Daughtercard project. Just plug it into the AntAnal circuit board, download and burn the AntAnal software into the 'card, and you'll be in business.

We have many other programs and projects in progress based on the HC908 Daughtercard ... DDS VFO controller, a remote control "commander" for connection to your HF rig, a 10 memory iambic keyer with beacon mode and ultimate user-programmability, and the Digital Breadboard itself as described in many issues of QRP Quarterly.

The price of the HC908 Daughtercard is surprising small for all the capabilities and downstream project usage you get. Check out the project at <http://www.njqrp.org/hc908>

73, George N2APB

Date: Tue, 24 Jun 2003 20:15:07 -0500
From: mark.milburn@juno.com
To: qrp-l@lehigh.edu
Subject: [152934] Iowa QRP Club CW Net
Message-ID: <20030624.202548.-694299.2.MARK.MILBURN@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Iowa QRP Club CW Net will be held on or around 7.112 Wednesday night at 8 PM Iowa time, or Thursday morning 0100Z. Join us if you can.

72 Mark KQ0I
Des Moines, Iowa

Date: Wed, 25 Jun 2003 06:20:00 -0500
From: "Terry Bassett" <ka9txe@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152935] How good is the "mod" for 60 meters?
Message-ID: <010601c33b0b\$b81cf390\$505cfa3f@youril1e86fkz1p>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello group,

The only radio I own that has a microphone is an Icom 707. There is a mod on several ineternet pages that shows a diode to remove to allow transmitting anywhere.

Now to the question: Icom does not certify the radio for transmission anywhere but the amatuer bands it was designed for. So if I and nearly 700,000 other hams do " the mod", just how trashy a bunch of signals is the government going to hear on the 60 meter band?

To my way of thinking, we are about to shoot ourselves in the foot, especially since the tuner-uppers are already using 60 meters.

73,

Terry KA9TXE

Date: Wed, 25 Jun 2003 07:27:47 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: ka9txe@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [152936] Re: How good is the "mod" for 60 meters?
Message-ID: <3EF98733.391CE04A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Terry,

While we call our hobby "amateur radio" and are allowed to make modifications to our radios that are professionally inspired, we must first be sure we can safely make them. If there is the least suspicion of not making a mod safely or securely, we should seek professional assistance. This is certainly the case for this mod!

73

Date: Wed, 25 Jun 2003 08:29:45 -0400 (EDT)
From: Philip L Carter <pcarter@gcfn.org>
To: Terry Bassett <ka9txe@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152937] Re: How good is the "mod" for 60 meters?
Message-ID: <Pine.3.07.10306250844.A16390-8100000@acme>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes, but remember that in some countries, 60m has been open for quite a while. And not just ssb at certian channels @2.8kc.

NRE/COLE Test Center OH-3
pcarter@gcfn.org or wd8qwr@arrl.net
Philip L. Carter, WD8QWR
wd8qwr@w8cqk.#cmh.oh.usa.na

Date: Wed, 25 Jun 2003 08:38:34 -0400
From: "Heimo J. Lyden" <fg5vij@golfinho.com>
To: qrp-1@lehigh.edu
Cc: wd8civ@worldnet.att.net, john.kirk@grainco.com.au
Subject: [152938] RE: Alexanderalternator on LF
Message-ID: <oprribpekgavc50y9@mail.wanadoo.fr>
Content-Type: text/plain; charset=iso-8859-15; format=flowed
MIME-Version: 1.0

Dave and John,

Thanks for your replies and hints where to look.
At this moment I am leaning towards the hint from John VK4TJ i.e to use the PC soundcard.
But the converter proposed by Dave WD8CIV might be an upcoming project, once I have found all the components. SAQ will most probably transmit every year. But the soundcardproject seems to be something I can put together

before Sunday.

It is hot here at the moment and firing up the soldering station is not tempting.

73

Heimo FG5VIJ

Date: Wed, 25 Jun 2003 08:52:57 -0400
From: Tom Bowman <wa3rey@comcast.net>
To: qrp-l@Lehigh.EDU
Subject: [152939] 6-meter Simple DSB transceiver
Message-ID: <000501c33b18\$b3bae610\$08415344@TOMS>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi,

Looking for some suggestions.

I've been reading through the QRP literature trying to come up with bits and pieces of designs I can put together to build a simple DSB QRP transceiver. My thoughts are that it should have:

1. Simple DSB transmitter probably built around an NE602 or 612 IC.
2. DC receiver
3. VFO driving the transmitter and receiver.

Question is what frequency would you suggest for the VFO or VXO to get best stability?

Should I build a the VFO at 12.5 mHz then follow it with two doubler stages to take me to 50 mHz?

Or is it practical to build an oscillator for 50 mHz?

73,

Tom, WA3REY

Tom Bowman, WA3REY, Mount Gretna, PA USA
(All mail scanned by Norton 2002)

Date: Wed, 25 Jun 2003 06:57:45 -0600 (MDT)
From: Karl Larsen <k5di@msn.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152940] Re: How good is the "mod" for 60 meters?
Message-ID: <Pine.LNX.4.44.0306250653160.1727-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just get out part 97 of the rules and follow what that says.
It's been awhile for me too, but I think hams need to have harmonics and things down to -26 Db from the carrier and -26 is also used elsewhere. On the SSB Bandwidth I think the psk31 test is good. On the waterfall you can see the noise bandwidth on USB and if it drops off at 2900 Hz your good I think.

On Wed, 25 Jun 2003, Bruce Muscolino wrote:

>
>
> Terry,
>
> While we call our hobby "amateur radio" and are allowed to make
> modifications to our radios that are professionally inspired, we must
> first be sure we can safely make them. If there is the least suspicion
> of not making a mod safely or securely, we should seek professional
> assistance. This is certainly the case for this mod!
>
> 73
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Wed, 25 Jun 2003 09:04:18 -0400
From: "Hugo W. Catta" <hugo@optonline.net>

To: rsstone@juno.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152941] Re: Propagation Question - International Beacons
Message-ID: <003d01c33b1a\$4a352050\$0200a8c0@de112000>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

The QSB Phenomena might be putting you on. ;-)

72,
AA1XV

Date: Wed, 25 Jun 2003 09:07:02 -0400
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [152942] Truffle announcement
Message-ID: <004301c33b1a\$ab401d00\$74883a18@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All !!!

I'll be on Sunday June 29 from 2130 till 2145 on 20 meters (14060 +or-)
..... My first try at this so be gentle :)

I contest alot but usually search and pounce so might be different to be the
other side of the coin.

Rig here is a Ten Tec Omni D (drive turned down) , I'll either be using 5 w
or if the feeling strikes me 700 mw , depends on condx. Antenna is a 51 ft
G5RV sloper , high end at 20 ft and low end at 6 ft in a N - S config.

Well I'll give it a go being a virgin truffle and see what
happens !!! Hope to get a Pig # out to all the deserving !!!!

71s

George Osier , N2JNZ
PIG # 344 in wonderful NNY !!!!!

Date: Wed, 25 Jun 2003 09:39:56 -0500
From: "kk5na" <kk5na@kk5na.com>
To: "QRP-L Discussion" <qrp-l@Lehigh.EDU>
Subject: [152943] HAMCOM 2003 Pictures
Message-ID: <01af01c33b27\$a626f480\$eb01a8c0@joes>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here are some pictures of the QRP events from last weekend at the National QRP Meet at HamCom in Arlington Texas. Pictures included show the tables in the FleaMarket Area, the Seminars and attendees, the two QRP dinner get-togethers and the builders contest.

Pictures from HamCom 2003
http://www.kk5na.com/pics2003static/hamcom_frame.htm

Same pictures in a SlideShow
http://www.kk5na.com/pics2003/hamcom_frame.htm

Joe KK5NA

Date: Wed, 25 Jun 2003 11:02:28 -0400
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-l@Lehigh.EDU>
Subject: [152944] Re: How good is the "mod" for 60 meters?
Message-ID:
<6D6463F31027B14FB3B1FB094F2C744703377DDB@tayexc17.americas.cpqcorp.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

> On the SSB Bandwidth I think the psk31 test is good. On the waterfall=20
> you can see the noise bandwidth on USB and if it drops off at 2900 Hz=20
> your good I think.

Karl, isn't this measuring the *receiver* bandwidth, including filters in both the IF and audio chain? I think it's a great leap of faith to

assume the *transmit* bandwidth would be the same, even if it shares some or all of the filters.

-- Bill, AB1AV

Date: Wed, 25 Jun 2003 08:11:48 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: "'Tom Bowman'" <wa3rey@comcast.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [152945] RE: 6-meter Simple DSB transceiver
Message-ID: <000101c33b2c\$1cd9a010\$1002a8c0@TrabucoIan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

This is a great site, may give you some ideas:
<http://www.intio.or.jp/jf10z1/>

Hope this helps.

72/3 de ian, K3IMW/6

Date: Wed, 25 Jun 2003 08:16:25 -0700 (PDT)
From: Mark Prather <wb9hfk@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [152946] Source of Molded Inductors
Message-ID: <20030625151625.64257.qmail@web41214.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

All,

Does anyone know of a good source for an assortment of molded inductors? I'm wanting to obtain a good, general assortment to have on hand for future building/experiments... Of course, I'm looking for the best deal...

Thanks for the bandwidth...

73,

Mark

=====

Mark Prather - WB9HFK

Do you Yahoo!?

SBC Yahoo! DSL - Now only \$29.95 per month!

<http://sbc.yahoo.com>

Date: Wed, 25 Jun 2003 11:08:24 -0400

From: "Steven Weber" <kd1jv@moose.ncia.net>

To: "Tom Bowman" <wa3rey@comcast.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [152947] Re: 6-meter Simple DSB transceiver

Message-ID: <008401c33b2e\$3e0d4fa0\$dfccfea9@turbotoo>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

>> designs I can put together to build a simple DSB QRP transceiver. My
> thoughts are that it should have:

>=20

> 1. Simple DSB transmitter probably built around an NE602 or 612 IC.

>

It's difficult or impossible to get good carrier suppression out of a =
612. It's okay if you're doing a SSB rig, as the crystal filter will =
usually attenuate the carrier enough. A better choice would be possibly =
the old 1496 with a balance control or a balanced diode mixer.=20

=20

> 2. DC receiver

>=20

Here you can use the 612.=20

> 3. VFO driving the transmitter and receiver.

>=20

> Question is what frequency would you suggest for the VFO or VXO to get =
best

> stability?

>=20

> Should I build a the VFO at 12.5 MHz then follow it with two doubler =
stages

> to take me to 50 MHz?

You could look at the new Experimental Methods in RD Design for ideas. =
There is one scheme in there which divides the VFO by two, then tunes an =
odd harmonic and amplifies it as a multiplier. Fairly simple. In =
anyevent, it's usually easier to get triplers to work than it is =
doublers.=20

> Or is it practical to build an oscillator for 50 mHz?

>=20

The ideal VFO would be built around a TI TRF4400 chip. This is a =
combination UHF VCO, PLL, /256 divider and DDS based variable reference =
for the PLL. Designed to work in the 430 MHz ISM band, though I've =
gotten the VCO to work as low as 100 MHz. Running the VCO in the 200 Mhz =
region and dividing by 4 with a prescaler works well. It also gives =
finer tuning steps, as the TRF4400 has inherent 270 Hz min tuning steps. =

The down side of this chip is that it's in a 28 pin TSSOP package, =
making it a little difficult to work with, plus you need a little =
microcomputer to tell it what to do. The plus side is it's inexpensive =
(less than \$5.00) and Digi-Key stocks them.=20

I've been thinking of making an "universal" VFO based on the TRF4400 =
with a RS232 interface to allow programming of the VCO tuning range and =
tuning steps based on the amount of division following the VCO. =
Someday...

72,

Steve, KD1JV

White mountains of New Hampshire

"melt Solder"

www.qsl.net/kd1jv/

Date: Wed, 25 Jun 2003 11:26:28 -0400

From: "Steven Weber" <kd1jv@moose.ncia.net>

To: <qrp-l@lehigh.edu>

Subject: [152948] Old Rigs

Message-ID: <008901c33b2e\$4328fd40\$dfccfea9@turbotoo>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

I got on 40 late last night and called CQ around 7.041. A station came =
back which sounded like a Homebrew rig with some stability problems. =
After each exchange, he'd come back on a different frequency. I thought =

he'd disappeared, until I though to tune around a little! He was =
bouncing around a good +/- 500 Hz.=20

Turns out he was using a KWM2. Didn't have the heart to tell him his VFO =
needed some work :-). Probably would have been insulted anyway..

Oh, and sorry I didn't bother to set up Outlook properly when I had to =
switch from Eudora and left the default 50 character line length on. I =
think it's now the way it's suppost to be <g>

72,
Steve, KD1JV
White mountains of New Hampshire
"melt Solder"
www.qsl.net/kd1jv/

Date: Wed, 25 Jun 2003 08:55:17 -0700
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [152949] Word Wrap?
Message-ID: <08D18BEFE0F59E4EB2BB78107B5A5271017377AE@blaze.bcsc.gov.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I'm receiving some messages that go forever across the screen. I think this
a problem with the sender, not with me. Most messages are fine, just a few
that do this. (I could post the names if it will help). Be sure the word
wrap feature, or whatever it's called, is turned on prior to sending posts.
It's really a pain in the butt to have to scroll across the screen to read
the message. JMT CW.

Doug VA7DD

Date: Wed, 25 Jun 2003 12:17:44 -0400
From: "John" <jdorson@worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [152950] PayPal Warning
Message-ID: <03d601c33b35\$52f10ae0\$329a8b41@ATHOME>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

SunflowerJust received one of those PayPay messages.

If anyone get it don't even go to the link provided. Just DELETE it.

Thanks.

John K2JHU...

South Island Real Estate

jdorson@worldshare.net

Date: Wed, 25 Jun 2003 12:30:35 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152951] Re: Word Wrap?
Message-ID: <3EF9CE2B.F6F67129@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi Doug,

I think you're using Outlook, but I had similar experiences with Netscape. In Netscape you can force word wrap through Edit>Preferences>Messages. On that panel you can select Message Wrapping for incoming messages. On the same panel, and in the same box, you can define at which character you want to wrap outgoing messages. Perhaps there's something similar in Outlook?

73,

--Alex KR1ST

"Davies, Doug A FOR:EX" wrote:

>

> I'm receiving some messages that go forever across the screen. I think this
> a problem with the sender, not with me. Most messages are fine, just a few
> that do this. (I could post the names if it will help). Be sure the word
> wrap feature, or whatever it's called, is turned on prior to sending posts.
> It's really a pain in the butt to have to scroll across the screen to read
> the message. JMTCW.

>

> Doug VA7DD

Date: Wed, 25 Jun 2003 12:38:45 -0400
From: "John L. Sielke" <jsielke@pobox.com>
To: qrp-1@Lehigh.EDU
Subject: [152952] Re: How good is the "mod" for 60 meters?
Message-ID: <VSHCPJ8BA0LYVGDTSMBAZU41FB2XS0.3ef9d015@w2agn>
MIME-version: 1.0
Content-type: text/plain; charset=windows-1252
Content-transfer-encoding: 8BIT

>Just get out part 97 of the rules and follow what that says.
>It's been awhile for me too, but I think hams need to have harmonics and
>things down to -26 Db from the carrier and -26 is also used elsewhere.
>On the SSB Bandwidth I think the psk31 test is good. On the waterfall
>you can see the noise bandwidth on USB and if it drops off at 2900 Hz
>your good I think.

I can't stand it! First the post with the INCORRECT rules for FD yesterday, now an erroneous post concerning PART 97. Here is the straight poop.

d) The mean power of any spurious emission from a station transmitter or external RF power amplifier transmitting on a frequency below 30 MHz must not exceed 50 mW and must be at least 40 dB below the mean power of the fundamental emission. For a transmitter of mean power less than 5 W, the attenuation must be at least 30 dB. A transmitter built before April 15, 1977, or first marketed before January 1, 1978, is exempt from this requirement.

(e) The mean power of any spurious emission from a station transmitter or external RF power amplifier transmitting on a frequency between 30-225 MHz must be at least 60 dB below the mean power of the fundamental. For a transmitter having a mean power of 25 W or less, the mean power of any spurious emission supplied to the antenna transmission line must not exceed 25 W and must be at least 40 dB below the mean power of the fundamental emission, but need not be reduced below the power of 10 W. A transmitter built before April 15, 1977, or first marketed before January 1, 1978, is exempt from this requirement.

John W2AGN

Date: Wed, 25 Jun 2003 09:45:30 -0700
From: "Lee Hopper" <leehopp@msn.com>
To: "Posting to the list QRP-L" <qrp-l@Lehigh.EDU>
Subject: [152953] Re: Single Line Postings
Message-ID: <BAY4-DAV1379iYi0fSD000003096@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Isn't there some software that will allow you to send a whole series of keystrokes with a single key? It seems to me you could automate this tedious series but I just don't quite know how - can anybody help here?

73 -

Lee Hopper, NB7F
Portland, OR
FD with W7LT, Portland Amateur Radio Club

Date: Wed, 25 Jun 2003 10:03:48 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>, "FPigs" <fpqrp-l@mpna.com>
Subject: [152954] Fw: [fpqrp] Truffle announcement
Message-ID: <022e01c33b2a\$fba278a0\$0077da0c@mchsi.com>

Good Job George:

Welcome to the fun and thanks for supporting the Truffle.

Anyone interested in taking the second 15 minutes of the Truffle this coming Sunday??

How about other weekends:

<http://www.fpqrp.com/pighunt2.html>

Diz is off playing FD so he won't be able to get you on the log until he returns. IF you are interested in being a Truffle, please contact him next week via the reflectors and join the fun.

72 / 73 Jerry N0JRN

----- Original Message -----

From: "George Osier" <gosier@twcnny.rr.com>

To: "FLYING PIGS" <fpqrp-1@mpna.com>

Sent: Wednesday, June 25, 2003 8:01 AM

Subject: [fpqrp] Truffle announcement

> Hi All !!!

>

> I'll be on Sunday June 29 from 2130 till 2145 on 20 meters (14060
> +or-)

> My first try at this so be gentle :)

>

> I contest alot but usually search and pounce so might be different
> to be the

> other side of the coin.

>

> Rig here is a Ten Tec Omni D (drive turned down) , I'll either be
> using 5 w

> or if the feeling strikes me 700 mw , depends on condx. Antenna is a
> 51 ft

> G5RV sloper , high end at 20 ft and low end at 6 ft in a N - S
> config.

>

> Well I'll give it a go being a virgin truffle and see
> what

> happens !!! Hope to get a Pig # out to all the deserving !!!!

>

> 71s

>

> George Osier , N2JNZ

> PIG # 344 in wonderful NNY !!!!!

>

> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe
> fpqrp-1 -

Date: Wed, 25 Jun 2003 12:51:10 -0400

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [152955] RE: How good is the "mod" for 60 meters?

Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F32EF@kosh.arrlhq.org>

content-class: urn:content-classes:message

MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

You are correct that the spurious emissions of a signal must be =
suppressed as you have described, but that is a separate regulation from =
that of occupied bandwidth.

Sec. 97.1(a)(8) Bandwidth. The width of a frequency band outside of =
which the mean power of the transmitted signal is attenuated=20
at least 26 dB below the mean power of the transmitted signal within the =
band.=20

I believe that in a Part 97 regulation that describes our permitted =
bandwidth, the above applies.

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: John L. Sielke [mailto:jsielke@pobox.com]

> Sent: Wednesday, June 25, 2003 12:39 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: How good is the "mod" for 60 meters?

>=20

>=20

> >Just get out part 97 of the rules and follow what that says.

> >It's been awhile for me too, but I think hams need to have=20

> harmonics and

> >things down to -26 Db from the carrier and -26 is also used=20

> elsewhere.

> >On the SSB Bandwidth I think the psk31 test is good. On the waterfall

> >you can see the noise bandwidth on USB and if it drops off at 2900 Hz

> >your good I think.

>=20

>=20

> I can't stand it! First the post with the INCORRECT rules for=20

> FD yesterday, now an erroneous post=20

> concerning PART 97. Here is the straight poop.

>=20
> d) The mean power of any spurious emission from a station=20
> transmitter or external RF power amplifier=20
> transmitting on a frequency below 30 MHz must not exceed 50=20
> mW and must be at least 40 dB below the mean=20
> power of the fundamental emission. For a transmitter of mean=20
> power less than 5 W, the attenuation must be=20
> at least 30 dB. A transmitter built before April 15, 1977, or=20
> first marketed before January 1, 1978, is=20
> exempt from this requirement.=20
>=20
> (e) The mean power of any spurious emission from a station=20
> transmitter or external RF power amplifier=20
> transmitting on a frequency between 30-225 MHz must be at=20
> least 60 dB below the mean power of the=20
> fundamental. For a transmitter having a mean power of 25 W or=20
> less, the mean power of any spurious=20
> emission supplied to the antenna transmission line must not=20
> exceed 25 W and must be at least 40 dB below=20
> the mean power of the fundamental emission, but need not be=20
> reduced below the power of 10 W. A=20
> transmitter built before April 15, 1977, or first marketed=20
> before January 1, 1978, is exempt from this=20
> requirement.=20
>=20
> John W2AGN
>=20
>=20
>=20

Date: Wed, 25 Jun 2003 12:53:58 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152956] RE: Word Wrap?
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F32F0@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I am one of the miscreants, and I will be danged if I can figure out how =
to make Outlook not do it,
other than manually remember to put in carriage returns. A few have =
emailed me privately about
it, but when I use Outlook to respond to them, it comes across their =

screen just fine, so the reflector
is somehow related.

If any of you all know how I can make Outlook not do this anymore, =
please let me know. I am sure it
is annoying, but I just don't remember to manually type carriage returns =
in the one place it seems
necessary that I do it.

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Alex [mailto:kr1st@amsat.org]

> Sent: Wednesday, June 25, 2003 12:31 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Word Wrap?

>=20

>=20

> Hi Doug,

>=20

> I think you're using Outlook, but I had similar experiences with

> Netscape. In Netscape you can force word wrap through

> Edit>Preferences>Messages. On that panel you can select=20

> Message Wrapping

> for incoming messages. On the same panel, and in the same box, you can

> define at which character you want to wrap outgoing messages. Perhaps

> there's something similar in Outlook?

>=20

> 73,

> --Alex KR1ST

>=20

> "Davies, Doug A FOR:EX" wrote:

> >=20

> > I'm receiving some messages that go forever across the=20

> screen. I think this

> > a problem with the sender, not with me. Most messages are=20

> fine, just a few

> > that do this. (I could post the names if it will help). =20

> Be sure the word

> > wrap feature, or whatever it's called, is turned on prior=20
> to sending posts.
> > It's really a pain in the butt to have to scroll across the=20
> screen to read
> > the message. JMT CW.
> >=20
> > Doug VA7DD
> >=20

Date: Wed, 25 Jun 2003 13:12:19 -0400
From: "Richard Brummer, K2JQ" <k2jq@rcn.com>
To: <w1rfi@arrl.org>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152957] Re: Word Wrap?
Message-ID: <005b01c33b3c\$ef7059a0\$6501a8c0@cable.rcn.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed and others,

Try this:

Click on "Help" at the top of your "Outlook Express" screen. Then,
click on "Contents and Index," and type in the keywords "word wrap."
You will get full instructions on how to set the line length, but it states
that Outlook Express automatically word wraps at 76 characters per line.

Hope this helps.

73

Dick K2JQ

----- Original Message -----

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Sent: Wednesday, June 25, 2003 12:53 PM

Subject: RE: Word Wrap?

> I am one of the miscreants, and I will be danged if I can figure out how
> to make Outlook not do it,
> other than manually remember to put in carriage returns.

Date: Wed, 25 Jun 2003 10:18:41 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'k2jq@rcn.com'" <k2jq@rcn.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152958] RE: Word Wrap?
Message-ID: <BF889CEBEFD2D511B993009027F60ABE4F6ECD@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I'm not a user of outlook express, but this setting my only apply to email that is sent out as plain text. If you send email to the listserv in html format, and it strips all the html out your email, then the listserv has really no idea how long lines are after that point. Just make sure OE is configured to send email out as plain text, and you should be OK.

HTH and 72!

.mark
KA6WKE

Date: Wed, 25 Jun 2003 13:27:20 -0400
From: "Richard Brummer, K2JQ" <k2jq@rcn.com>
To: "Mark Schoonover" <schoon@amgt.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152959] Re: Word Wrap?
Message-ID: <008001c33b3f\$08bba700\$6501a8c0@cable.rcn.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good point that I forgot !

73

Dick K2JQ

----- Original Message -----

From: "Mark Schoonover" <schoon@amgt.com>
To: <k2jq@rcn.com>; "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, June 25, 2003 1:18 PM
Subject: RE: Word Wrap?

> I'm not a user of outlook express, but this setting my only apply to email

> that is sent out as plain text. If you send email to the listserv in html
> format, and it strips all the html out your email, then the listserv has
> really no idea how long lines are after that point. Just make sure OE is
> configured to send email out as plain text, and you should be OK.

Date: Wed, 25 Jun 2003 13:44:03 -0400
From: John Nall <jnall01@alltel.net>
To: qrp-l@Lehigh.EDU
Subject: [152960] Electronics book on the web
Message-ID: <5.2.0.9.0.20030625133359.00b5ef18@mail.alltel.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

My wife, noticing that in my retirement I seem to be a bit bored at times,
suggested to me that I develop some new interests.

I told her that there are two things that I have always been fascinated by
-- electronics and women. She thought the electronics was a good
idea. Firmly vetoed the other one, though. :-(

Anyway...a long time ago I studied the license manual and got a ham radio
license, and figured I knew a little bit about electronics. Then I built a
lot of Heathkits and a few things from QST (and other places) and figured I
did indeed know quite a bit about electronics.

However, after sitting down and trying to design something on my own, I
realize that I really need to get back to basics and master a lot of stuff
I glossed over. If you all will excuse all the blathering, the reason for
this posting is to pass on the information that a really good site for
basic electronic study exists at
<http://www.ibiblio.org/obp/electricCircuits/> with no catches so far as I
can tell. I downloaded the package (22 megabytes) so that I can study
without having to have phone line connected, but it can also be accessed
online.

73,
John AF4WM

Date: Wed, 25 Jun 2003 13:38:47 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <jdorson@worldshare.net>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152961] Re: PayPal Warning
Message-ID: <001701c33b40\$a3f51700\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

NO!!

Forward it, with headers intact, to your states attorney generals office.

And to the FTC. (Sorry, I don't have the address for the group that handles internet fraud.)

And maybe even back to PayPal/EBay

Mike

----- Original Message -----

From: "John" <jdorson@worldshare.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, June 25, 2003 12:17 PM
Subject: PayPal Warning

> SunflowerJust received one of those PayPay messages.
>
> If anyone get it don't even go to the link provided. Just DELETE it.
>
>
> Thanks.
> John K2JHU...
> South Island Real Estate
> jdorson@worldshare.net
>

Date: Wed, 25 Jun 2003 12:55:25 -0500
From: "res075cz" <res075cz@gte.net>
To: <qrp-1@lehigh.edu>
Subject: [152962] Heathkit DX-20
Message-ID: <013401c33b42\$f5c64d40\$ed7f3f04@dslverizon.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone remember the bands, power out and final tube of the Heathkit DX-20. I am putting together an old time tube station for 40 meter QRP. I just got a Hallicrafters S-38-E.

73 de Jim, K5ROV...

James (Jim) Parsons, K5ROV, CMSgt (E-9), USAF, Ret., San Angelo, TX
Ham for over 60 yrs. 80% CW, 10 % digital, 10 % phone.
k5rov@arrl.net, QCWA, ARCI, Fists, ARRL, ARMS.
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

Date: Wed, 25 Jun 2003 14:02:09 -0400 (EDT)
From: <n2go@arrl.net>
To: Mike Yetsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152963] Re: PayPal Warning
Message-ID: <Pine.LNX.4.33.0306251354360.7970-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got that warning several times in the past. It is not new. It "is" bogus. eBay, Paypal, banks, etc will not ask you for your password or to enter your password or id. Someone is just harvesting it for evil deeds :)

Whenever someone asks for personal stuff, either ignore it or contact the "real" business. Internet...don't you just love it :))

I just had a patient bring in info on a new Insurance company brochure. For \$39.99 and a \$10 one time registration fee you get a healthcare discount card. They listed the pharmacies, labs, Hospitals and Doctors that will offer 14-55% off... He said that I am on the list along with just about everybody else....

Bottom line, He won't be sending his \$50 to that place...a PO Box in Texas. Probably a prison there :)))

73,

Jim n2go

Date: Wed, 25 Jun 2003 14:13:05 -0400 (EDT)
From: <n2go@arrl.net>
To: res075cz <res075cz@gte.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152964] Re: Heathkit DX-20
Message-ID: <Pine.LNX.4.33.0306251412190.8561-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Try this:

<http://oak.cats.ohiou.edu/~postr/bapix/DX20.html>
There is also a link to the original heath catalog info.
73,

Jim n2go

On Wed, 25 Jun 2003, res075cz wrote:

> Does anyone remember the bands, power out and final tube of the Heathkit
> DX-20. I am putting together an old time tube station for 40 meter QRP. I
> just got a Hallicrafters S-38-E.
>
> 73 de Jim, K5ROV...
>
> James (Jim) Parsons, K5ROV, CMSgt (E-9), USAF, Ret., San Angelo, TX
> Ham for over 60 yrs. 80% CW, 10 % digital, 10 % phone.
> k5rov@arrl.net, QCWA, ARCI, Fists, ARRL, ARMS.
> EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
> DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
> JOHN 3:16
>
>
>

Date: Wed, 25 Jun 2003 14:12:18 -0400
From: "John L. Sielke" <jsielke@pobox.com>
To: qrp-l@Lehigh.EDU
Subject: [152965] Re: How good is the "mod" for 60 meters?
Message-ID: <YTJFMKOMRQS031Q0EA51NLLIRNKJTQA0.3ef9e602@w2agn>
MIME-version: 1.0
Content-type: text/plain; charset=windows-1252
Content-transfer-encoding: 7BIT

Nuts, cut and paste didn't copy the "micro" symbol. Of course the second paragraph should be:

(e) The mean power of any spurious emission from a station transmitter or external RF power amplifier transmitting on a frequency between 30-225 MHz must be at least 60 dB below the mean power of the fundamental. For a transmitter having a mean power of 25 W or less, the mean power of any spurious emission supplied to the antenna transmission line must not exceed 25 MICROWATTS and must be at least 40 dB below the mean power of the fundamental emission, but need not be reduced below the power of 10 MICROWATTS. A transmitter built before April 15, 1977, or first marketed before January 1, 1978, is exempt from this requirement.

Of course, as was noted, tuning up one's "screwdriver" antenna on 60 meters, with 5 watts, is illegal any way you look at it, until the channels are authorized for use. But of course, no one would do that, and if they did, they wouldn't post it to QRP-L for everyone to read, and maybe send copies to Riley Hollingsworth? NO, nobody would do that!

John W2AGN (back to lurking)

Date: Wed, 25 Jun 2003 14:18:26 -0400
From: "John L. Sielke" <jsielke@pobox.com>
To: qrp-l@Lehigh.EDU
Subject: [152966] RE: How good is the "mod" for 60 meters?
Message-ID: <TRGCDAGBF084C0YUB8DBXUT076D95WQ.3ef9e772@w2agn>
MIME-version: 1.0
Content-type: text/plain; charset=windows-1252
Content-transfer-encoding: 7BIT

>You are correct that the spurious emissions of a signal must be suppressed as you have described, but that
>is a separate regulation from that of occupied bandwidth.

>Sec. 97.1(a)(8) Bandwidth. The width of a frequency band outside of which the mean power of the

>transmitted signal is attenuated
>at least 26 dB below the mean power of the transmitted signal within the band.

>I believe that in a Part 97 regulation that describes our permitted bandwidth,
the above applies.

>73,
>Ed Hare, W1RFI
>ARRL Lab

But the new 60M channels have their own specific requirements, i.e., 2.8 Khz BW
and only Upper Side band.

John W2AGN

Date: Wed, 25 Jun 2003 11:20:18 -0700
From: Adam Farson <farson@shaw.ca>
To: w1rfi@arrl.org
Cc: Low Power Amateur Radio Discussion <qrp-1@LEHIGH.EDU>
Subject: [152967] RE: Word Wrap?
Message-ID: <DMEILAEADPNBAHKBNMMHCEGFFHAA.farson@shaw.ca>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi Ed,

In Outlook 2000, go to Tools -> Options -> Mail Format -> Settings. In the
Settings applet, you will see a field "Automatically wrap at NN characters
when sending". Set NN as desired.

Cheers for now, 73,
Adam VA7OJ/AB4OJ

-----Original Message-----
From: owner-qrp-1@lehigh.edu [mailto:owner-qrp-1@lehigh.edu]On Behalf Of
Hare,Ed, W1RFI
Sent: Wednesday, June 25, 2003 09:54
To: Low Power Amateur Radio Discussion
Subject: RE: Word Wrap?

I am one of the miscreants, and I will be danged if I can figure out how to make Outlook not do it, other than manually remember to put in carriage returns. A few have emailed me privately about it, but when I use Outlook to respond to them, it comes across their screen just fine, so the reflector is somehow related.

If any of you all know how I can make Outlook not do this anymore, please let me know. I am sure it is annoying, but I just don't remember to manually type carriage returns in the one place it seems necessary that I do it.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Alex [mailto:kr1st@amsat.org]

> Sent: Wednesday, June 25, 2003 12:31 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Word Wrap?

>

>

> Hi Doug,

>

> I think you're using Outlook, but I had similar experiences with

> Netscape. In Netscape you can force word wrap through

> Edit>Preferences>Messages. On that panel you can select

> Message Wrapping

> for incoming messages. On the same panel, and in the same box, you can

> define at which character you want to wrap outgoing messages. Perhaps

> there's something similar in Outlook?

>

> 73,

> --Alex KR1ST

>

> "Davies, Doug A FOR:EX" wrote:

> >

> > I'm receiving some messages that go forever across the
> screen. I think this
> > a problem with the sender, not with me. Most messages are
> fine, just a few
> > that do this. (I could post the names if it will help).
> Be sure the word
> > wrap feature, or whatever it's called, is turned on prior
> to sending posts.
> > It's really a pain in the butt to have to scroll across the
> screen to read
> > the message. JMTCW.
> >
> > Doug VA7DD
>

Date: Wed, 25 Jun 2003 14:22:55 -0400
From: Tom Bowman <wa3rey@comcast.net>
To: qrp-l@Lehigh.EDU
Subject: [152968] Re: Heathkit DX-20
Message-ID: <000301c33b46\$cc1fee20\$08415344@TOMS>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Nice rig.

I used the S-38e and the Heath HX-11, the DX-20's cousin.

Here is the info about the DX-20

"It employs a single 6DQ6A tube in the final Amplifier stage for plate power input of 50 watts. The oscillator stage is a 6CL6, and the rectifier is a 5U4GB, Single knob band-switching is featured to cover 80, 40, 20, 15, 11 and 10 meters, and a pi network output circuit matches antenna impedances between 50 and 1000 ohms to reduce harmonic output."

>From <http://www.heathkit-museum.com/ham/dx-20.shtml>

73,

Tom

Tom Bowman, WA3REY, Mount Gretna, PA USA
(All mail scanned by Norton 2002)

Date: Wed, 25 Jun 2003 14:27:59 -0500
From: Rob Matherly <w0jrm@arrl.net>
To: fpqrp-1@fpqrp.com,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152969] OT: Small Cabin/Hamshack Plans
Message-ID: <200306251427.59735.w0jrm@arrl.net>
Content-Type: text/plain;
charset="us-ascii"
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable

Hey all;

Please excuse the very OT nature of my post:

I'm wanting to build a smallish 10x12 or so cabin/hamshack (see, somewhat=on=20topic ;^)) out in the back 40. The problem is that I have NO idea where =to=20start looking for plans. Anyone know where I could find / order anything=?

72/73/oo
Rob, w0jrm

Date: Wed, 25 Jun 2003 19:36:38 +0000
From: Arthur Moe <kb7ww@easystreet.com>
To: w0jrm@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152970] Re: OT: Small Cabin/Hamshack Plans
Message-ID: <3EF9F9C6.8AB94F3B@easystreet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://www.tuffshed.com/HTML/default.htm>
http://www.tuffshed.com/SGpricing/TUFF_SHED_Catalog.pdf

Rob Matherly wrote:

>
> Hey all;
>
> Please excuse the very OT nature of my post:
>

> I'm wanting to build a smallish 10x12 or so cabin/hamshack (see, somewhat on
> topic ;^)) out in the back 40. The problem is that I have NO idea where to
> start looking for plans. Anyone know where I could find / order anything?
>
> 72/73/oo
> Rob, w0jrm

Date: Wed, 25 Jun 2003 15:41:21 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152971] Re: OT: Small Cabin/Hamshack Plans
Message-ID: <003f01c33b51\$c4273740\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I'm wanting to build a smallish 10x12 or so cabin/hamshack (see,
somewhat on
> topic ;^)) out in the back 40. The problem is that I have NO idea where
to
> start looking for plans. Anyone know where I could find / order
anything?
>
> 72/73/oo
> Rob, w0jrm

You might also consider some of the 'kits' that are available. Northern
Tool has a shed kit that is a set of 'connectors' for 2x4s that you just
use
to 'cut to length' and throw up a shed with no angle cuts.

But if you do this, consider how the shed will be used. Do you want a
permanent foundation? (Here in my town, it's not taxable as a structure
if it's not permanent!) How substantial a floor do you want? Windows?
Electricity? Insulation? Heat? AC?

Make a list of what you want first, then start trying to match plans.

Mike

Date: Wed, 25 Jun 2003 16:01:23 -0400 (EDT)

From: <n2go@arrl.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152972] Re: OT: Small Cabin/Hamshack Plans
Message-ID: <Pine.LNX.4.33.0306251559390.10558-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Try <http://popularmechanics.com/>
do a search on their site for shed
follow the link for super shed 2001.
I built something like that only bigger.

73,

Jim n2go

Date: Wed, 25 Jun 2003 16:05:48 -0400 (EDT)
From: <n2go@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152973] Re: OT: Small Cabin/Hamshack Plans
Message-ID: <Pine.LNX.4.33.0306251604260.10824-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

oops the link should be backyard barn. That is the one I built...
same search though ie "shed" at the pop mechanics site.
I did it from scratch not because it was cheaper, it was just better
quality stuff.

73,

Jim n2go

Date: Wed, 25 Jun 2003 16:06:39 -0400 (EDT)
From: Philip L Carter <pcarter@gcfn.org>
To: Alex <kr1st@amsat.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152974] Re: Word Wrap?
Message-ID: <Pine.3.07.10306251637.A24041-8100000@acme>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

You could just hit a return every now and then.

NRE/COLE Test Center OH-3
pcarter@gcfn.org or wd8qwr@arrl.net
Philip L. Carter, WD8QWR
wd8qwr@w8cqk.#cmh.oh.usa.na

Date: Wed, 25 Jun 2003 16:15:03 -0400
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [152975] RE: Small Cabin/Hamshack Plans
Message-ID: <000a01c33b56\$7682b690\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

> Please excuse the very OT nature of my post:
>
> I'm wanting to build a smallish 10x12 or so cabin/hamshack (see,
> somewhat on
> topic ;^)) out in the back 40. The problem is that I have NO
> idea where to
> start looking for plans. Anyone know where I could find / order anything?

Rob,

Our local lumber yard (84 Lumber) has booklets with rudimentary plans for decks, sheds, porches, garages, houses... they might have something to get you started. They may even know of other sources. For that matter, you could probably buy a shed "kit" from them and finish it out with insulation, power, etc.

Be sure to check your local building codes. Here in the People's Republic of Upstate New York they're kinda fussy about running an extension cord from the house to the shed. It has to be regular wiring, buried in conduit, the usual protective devices, you get the drift. (Joking aside, they really are trying to help people out. You should see some of the fire traps well-meaning do-it-yourselfers have built trying to save a nickel.)

Don't forget to "call before you dig," too. Many states have a free service where they'll come out, locate underground utility lines, and mark them so

you won't cut though something vital while digging. It could save time and embarrassment (not to mention legal and medical bills) later on.

Dave

Date: Wed, 25 Jun 2003 13:48:13 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: w0jrm@arrl.net,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152976] Re: OT: Small Cabin/Hamshack Plans
Message-ID: <20030625204813.36037.qmail@web14206.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Rob,

If you have a Lowes or Home Depo go there and look at the ones they offer, also Cosgo here has the same thing. These are put together by the manufacture on your site.

73, Bill kc4atu

Do you Yahoo!?
SBC Yahoo! DSL - Now only \$29.95 per month!
<http://sbc.yahoo.com>

Date: Wed, 25 Jun 2003 17:00:26 -0400
From: Brad Thompson <Brad.Thompson@VALLEY.NET>
To: wb9hfk@yahoo.com,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152977] Re: Source of Molded Inductors
Message-ID: <5.0.2.1.2.20030625165408.01c9d0c0@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello--

I'm approximately two weeks away from offering molded inductor assortments on my components-FS list. Before I start assembling assortment, I'd like to get an idea of what people would look for in an assortment (inductance values, physical sizes, other specs?).

In case anyone needs surface-mount inductors, I do offer kits of eight pieces each of 18 values ranging in values from nanohenries to microhenries for \$13.50 per kit plus postage. Write for details or a copy of my FS list.

73--

Brad AA1IP

At 08:16 AM 06/25/2003 -0700, Mark Prather wrote:

>All,

>

>Does anyone know of a good source for an assortment of molded
>inductors? I'm wanting to obtain a good, general assortment to have
>on hand for future building/experiments... Of course, I'm looking for
>the best deal...

>

>Thanks for the bandwidth...

>

>73,

>

>Mark

>

>

>=====

>Mark Prather - WB9HFK

>

>-----

>Do you Yahoo!?

>SBC Yahoo! DSL - Now only \$29.95 per month!

><http://sbc.yahoo.com>

Date: Wed, 25 Jun 2003 16:14:34 -0500

From: "George, W5YR" <w5yr@att.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
<jsielke@pobox.com>

Subject: [152978] Re: How good is the "mod" for 60 meters?

Message-ID: <010201c33b5e\$c8263e60\$0401a8c0@PS>

MIME-Version: 1.0

Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

John, the frequency components of our SSB sidebands are not "spurious components" are they?

The FCC very clearly defines Occupied Bandwidth as the frequency range between the -26 dBc signal amplitude extremes at each end of the sideband.

For a QRP rig with 5 watts output say at 1000 Hz, that places the OBW levels at 12.5 milliwatts - easy to read on a WM-2. Just feed an audio oscillator signal - either hardware or computer-generated - into the mic jack and set the output for 5 watts at 1000 Hz. Lower the frequency until the output power is 12.5 mW. Raise the frequency until the same output is reached. Those two points define the OBW for the rig, at least for a single tone input signal, assuming that no ALC, compression and other inherently distortion and bandwidth-increasing processes are used.

What it does not show is what the OBW is for *your* voice into *your* mic the way you are talking that day. But at least it is a start, and most of us have a halfway decent wattmeter and can find an audio signal somewhere.

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----

From: "John L. Sielke" <jsielke@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, June 25, 2003 1:12 PM
Subject: Re: How good is the "mod" for 60 meters?

> Nuts, cut and paste didn't copy the "micro" symbol. Of course the second paragraph should be:

>

> (e) The mean power of any spurious emission from a station transmitter or external RF power amplifier

> transmitting on a frequency between 30-225 MHz must be at least 60 dB below the mean power of the

> fundamental. For a transmitter having a mean power of 25 W or less, the mean power of any spurious

> emission supplied to the antenna transmission line must not exceed 25 MICROWATTS and must be at least 40 dB

> below

> the mean power of the fundamental emission, but need not be reduced below
the power of 10 MICROWATTS. A
> transmitter built before April 15, 1977, or first marketed before January
1, 1978, is exempt from this
> requirement.
>
> Of course, as was noted, tuning up one's "screwdriver" antenna on 60
meters, with 5 watts, is illegal any
> way you look at it, until the channels are authorized for use. But of
course, no one would do that, and if
> they did, they wouldn't post it to QRP-L for everyone to read, and maybe
send copies to Riley
> Hollingsworth? NO, nobody would do that!
>
> John W2AGN (back to lurking)
>
>

Date: Wed, 25 Jun 2003 17:33:16 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
Subject: [152979] RE: How good is the "mod" for 60 meters?
Message-ID: <721D3436A7C2B344A301FD4A413C71A90173547C@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

> The FCC very clearly defines Occupied Bandwidth as the frequency range
> between the -26 dBc signal amplitude extremes at each end of=20
> the sideband.

Actually, that isn't exactly it, either. :-)=20

The rules say:

Sec. 97.1(a)(8) Bandwidth. The width of a frequency band outside of =
which the mean power of the transmitted signal is attenuated=20
at least 26 dB below the mean power of the transmitted signal within the =
band.=20

This does not mean the -26 dB points on a spectral graph! Bandwidth is =
the frequency range outside which all of the other energy transmitted =

has a total power that is 26 dB less than the signal transmitted inside =
that frequency range. So a whole bunch of intermod that was -27 dB below =
the level inside the communications channel wouldn't be legal because =
all those -27 dB signals would add up to be more than -26 dB.

One also must consider "mean power." In a voice transmission, those "S" =
and "T" with significant higher-frequency components sounds may be =
fairly strong, but they don't occur very often, so their mean power is =
actually fairly low compared to the lower-frequency energy in the "main" =
passband of the communications channel. Mike Tracy in our lab is doing =
some voice tests and found that rigs who "fail" the bandwidth test with =
an audio generator pass easily when we look at the peaks using human =
voices, and, if we were to do an analysis of the average power, we would =
find that they bandwidth was even less than that seen with the peak-hold =
function on the spectrum analyzer.

Last, but not least, in addition to the requirement to have our =
bandwidth <2800 Hz, centered on the channel, even our out-of-band =
emissions are below that limit, if they cause harmful interference to =
the adjacent-channel users, we have a responsibility to correct the =
harmful interference.

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: George, W5YR [mailto:w5yr@att.net]

> Sent: Wednesday, June 25, 2003 5:15 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: How good is the "mod" for 60 meters?

>=20

>=20

> John, the frequency components of our SSB sidebands are not "spurious
> components" are they?

>=20

> The FCC very clearly defines Occupied Bandwidth as the frequency range
> between the -26 dBc signal amplitude extremes at each end of=20
> the sideband.

>=20

> For a QRP rig with 5 watts output say at 1000 Hz, that places=20
> the OBW levels

> at 12.5 milliwatts - easy to read on a WM-2. Just feed an=20

> audio oscillator
 > signal - either hardware or computer-generated - into the mic=20
 > jack and set
 > the output for 5 watts at 1000 Hz. Lower the frequency until=20
 > the output
 > power is 12.5 mW. Raise the frequency until the same output=20
 > is reached.
 > Those two points define the OBW for the rig, at least for a=20
 > single tone
 > input signal, assuming that no ALC, compression and other inherently
 > distortion and bandwidth-increasing processes are used.
 >=20
 > What it does not show is what the OBW is for *your* voice=20
 > into *your* mic
 > the way you are talking that day. But at least it is a start,=20
 > and most of us
 > have a halfway decent wattmeter and can find an audio signal=20
 > somewhere.
 >=20
 > 73/72, George
 > Amateur Radio W5YR - the Yellow Rose of Texas
 > Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
 > "In the 57th year and it just keeps getting better!"
 > <mailto:w5yr@att.net>
 >=20
 >=20
 >=20
 >=20
 >=20
 > ----- Original Message -----
 > From: "John L. Sielke" <jsielke@pobox.com>
 > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
 > Sent: Wednesday, June 25, 2003 1:12 PM
 > Subject: Re: How good is the "mod" for 60 meters?
 >=20
 >=20
 > > Nuts, cut and paste didn't copy the "micro" symbol. Of=20
 > course the second
 > paragrah should be:
 > >
 > > (e) The mean power of any spurious emission from a station=20
 > transmitter or
 > external RF power amplifier
 > > transmitting on a frequency between 30-225 MHz must be at=20
 > least 60 dB
 > below the mean power of the
 > > fundamental. For a transmitter having a mean power of 25 W=20
 > or less, the

> mean power of any spurious
> > emission supplied to the antenna transmission line must not=20
> exceed 25
> MICROWATTS and must be at least 40 dB
> > below
> > the mean power of the fundamental emission, but need not be=20
> reduced below
> the power of 10 MICROWATTS. A
> > transmitter built before April 15, 1977, or first marketed=20
> before January
> 1, 1978, is exempt from this
> > requirement.
> >
> > Of course, as was noted, tuning up one's "screwdriver" antenna on 60
> meters, with 5 watts, is illegal any
> > way you look at it, until the channels are authorized for=20
> use. But of
> course, no one would do that, and if
> > they did, they wouldn't post it to QRP-L for everyone to=20
> read, and maybe
> send copies to Riley
> > Hollingsworth? NO, nobody would do that!
> >
> > John W2AGN (back to lurking)
> >
> >
>=20
>=20

Date: Wed, 25 Jun 2003 17:35:18 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152980] RE: How good is the "mod" for 60 meters?
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F330C@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

> >I believe that in a Part 97 regulation that describes our=20
>> permitted bandwidth, the above applies.

> But the new 60M channels have their own specific=20
> requirements, i.e., 2.8 Khz BW and only Upper Side band.

Correct. The 60 M allocation is, to my knowledge, the only allocation =
where we have a
specific bandwidth limitation. On other bands, we are limited only to =
"good=20
engineering practice."

73,=20

Ed Hare, W1RFI

ARRL Lab

225 Main St

Newington, CT 06111

Tel: 860-594-0318

Internet: w1rfi@arrl.org

Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: John L. Sielke [mailto:jsielke@pobox.com]

> Sent: Wednesday, June 25, 2003 2:18 PM

> To: Low Power Amateur Radio Discussion

> Subject: RE: How good is the "mod" for 60 meters?

>=20

>=20

> >You are correct that the spurious emissions of a signal must=20

> be suppressed as you have described, but that=20

> >is a separate regulation from that of occupied bandwidth.

>=20

> >Sec. 97.1(a)(8) Bandwidth. The width of a frequency band=20

> outside of which the mean power of the=20

>=20

> >transmitted signal is attenuated

> >at least 26 dB below the mean power of the transmitted=20

> signal within the band.

>=20

> >I believe that in a Part 97 regulation that describes our=20

> permitted bandwidth, the above applies.

>=20

> >73,

> >Ed Hare, W1RFI

> >ARRL Lab

>=20

>=20

> But the new 60M channels have their own specific=20

> requirements, i.e., 2.8 Khz BW and only Upper Side band.

>=20

> John W2AGN

>=20

>=20

>=20

Date: Wed, 25 Jun 2003 17:53:06 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: kd1jv@moose.ncia.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [152981] Re: Old Rigs
Message-ID: <3EFA19C2.94734D71@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually what he needs is an instruction book. The KWM2 uses a cw offset of 1000 hZ. This was pre the JA invasion, and should not be used with modern equipment. One of the very few things that were Collins that were not adopted. If I am correct my KWM2A is the same/. Destroys a fine rig for CW!

73

Date: Wed, 25 Jun 2003 17:32:38 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [152982] Re: WARC 2003 - Now this is going to be interesting!
Message-ID: <20030625.180751.9190.0.kc8aon@juno.com>

I only got one thing to say about that ! "BREAKER BREAKER ONE NINE !"

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP #269
QRP'ers DEPEND ON SKILL - NOT RAW POWER !

On Wed, 25 Jun 2003 04:05:06 +0000 "Dennis Ponsness" <wb0wao@hotmail.com> writes:

>Was perusing the ARRL website and found these tidbits:

>

>"One matter on which there appears to be no disagreement is the Morse
>requirement," said International Amateur Radio Union (IARU) Secretary
>(and

>ARRL CEO) David Sumner, K1ZZ, in a report on the second week of
>activity at

>WRC-03. "It is clear that the outcome will be to leave it to

>administrations' discretion whether or not to have a Morse receiving
>and
>sending requirement. No administration participating in the
>sub-working
>group spoke in favor of retaining the Morse code treaty requirement."
>
>So, I wonder how long it will be until someone petitions the FCC to
>eliminate Element 1? And you thought the Know Code/No Code threads on
>
>QRZ.com and other places were intense before <grin>.
>

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Date: Wed, 25 Jun 2003 15:18:07 -0700
From: Steve Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [152983] RE: How good is the "mod" for 60 meters?
Message-ID: <20030625.151807.-16623119.1.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My question is: If the filter (mech., xtal., whatever) in an SSB rig is too wide to meet the 60 m bandwidth requirements, can the transmitter be brought into compliance by audio shaping alone?

73.....Steve Smith WB6TNL
Oxnard, CA USA
"Snort Rosin"

--I know you believe you understand what you think I said,
but I am not sure you realize that what you heard is not what I meant.--

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Date: Wed, 25 Jun 2003 18:18:10 -0400

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
Subject: [152984] RE: How good is the "mod" for 60 meters?
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F3318@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I believe it can. In most cases, the rig that is "too wide" when tested =
with a generator will be in shape due to the spectral content of a human =
voice.

Look for some test results from Mike Tracy within a week or so. He has a =
LOT of radios to test.

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Steve Smith [mailto:sigcom@juno.com]
> Sent: Wednesday, June 25, 2003 6:18 PM
> To: Low Power Amateur Radio Discussion
> Subject: RE: How good is the "mod" for 60 meters?
>=20
>=20
> My question is: If the filter (mech., xtal., whatever) in an=20
> SSB rig is
> too wide to meet the 60 m bandwidth requirements, can the=20
> transmitter be
> brought into compliance by audio shaping alone?
>=20
> 73.....Steve Smith WB6TNL
> Oxnard, CA USA =20
> "Snort Rosin"
> --I know you believe you understand what you think I said,
> but I am not sure you realize that what you heard is not what=20
> I meant.--

> =20

>=20

>

> -----
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>=20

Date: Wed, 25 Jun 2003 18:21:51 -0400

From: Rick McKee <kc8aon@juno.com>

To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU

Subject: [152985] No Morse Code Test.

Message-ID: <20030625.182156.9190.10.kc8aon@juno.com>

Got this from a friend today ! Guess this is the real reason the FCC is giving us channels now ! Guess it's time to get a copy of the 10 codes !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX

QRP-L #2112, FPqrp #33, AR QRP #269

QRP'ers DEPEND ON SKILL - NOT RAW POWER !

> <http://www.arrl.org/news/stories/2003/06/24/1/>

>

> The ARRL has finally admitted it! The international requirement for
> Morse Code testing is going to be removed by WRC 2003. This is great
> day for amateur radio. I was first licensed at 17 along with a friend
> twenty years ago. Many of my friends refused to take the morse code
> test and I have known many people over the years that have hated the
> morse code testing of Amateur Radio.

> This will be a great opportunity for ham radio to expand and help us
> keep our bands. If we promote ham radio and hfpacking who knows maybe
> there will be 6000 hfpackers and another 700,000 hams in a couple of
> years.

> This is our greatest day to introduce and expand ham radio like
> never before. Thousands of teenagers will be exposed to a new world
> that doesn't charge \$40-\$60 per month to talk. A expanded digital
> computer network that can operate the world over and is more reliable
> then WiFi networks.

> Mark my words, this is not the end of an era, but a new era for
> citizens to discover amateur radio and all of it's unique modes. For
> us current hams it is a time to make new friends and share new things
> with the new hams. And if they want to learn morse code they will and
> they can experience that mode as well.

>

>
>

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Date: Wed, 25 Jun 2003 18:38:55 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152986] Re: WARC 2003 - Now this is going to be interesting!
Message-ID: <00e201c33b6a\$950dfd40\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I only got one thing to say about that ! "BREAKER BREAKER ONE NINE !"

Uh... Excuse me. But if this is the level of how people are going to deal with this issue, then we might as well all go buy CB rigs.

About 4 years ago we had some serious pro/con CW debates here. A lot of people got childish, tempers flared, and some people even left.

Thing is, PLEASE DON'T START THAT AGAIN!!

Especially with remarks like the above.

But, this is something we DO need to discuss. And NOT as a pro or anti CW proponent.

It's already started, the 'consolidation' of the license classes. Now with CW at a single level, and the possible removal of CW as a requirement at all on the horizon, how do we keep our CW space?

It certainly won't be by arguing pro or anti CW.

It certainly won't be by making childish remarks about other radio services.

Face facts people, sooner or later the CW sub-bands will come up for 'parceling'. How do we make sure we have our finger in the pie? I want the equivalent of the car commercial where the car is about to

be sold out from under the guy so he licks the car door! I want the equivalent of a dog... Well, you get the idea.

So.... I've said this before, and hopefully it will warrant some serious consideration. Just remember, if we do nothing, it will be decided and done FOR us, without our input. Or against our objections.

Here's what I'm considering. This is not final, but I want to throw it out for discussion.

How about a plan that consolidates the CW areas into two subbands. One band is for 'novice', the other for 'operators'. This is NOT by license class.

Initially the two slots will be for 'novice/tech' people, the other for every other class.

Notice that I did NOT say 'tech plus'. Because that's the other part of my proposal.

I want the 'novice' part of the band to be for people to use CW. I am NOT saying they must have CW endorsement. I'm saying let the no code people onto that area, which will be limited, to LEARN CW. Let the people that have gotten into HAM radio without CW endorsement have an area where they can practice, play, and have fun with CW. From the person on '1st-day' trying to work at less than 1wpm to the guy who just doesn't want to move up to the 'big boys' area. Keep that slice of bandspace held for people LEARNING CW. And CW only. No data, no voice. Nothing but CW. In fact, make it MANUAL CW only. No computers or other 'generated' CW. If the people with no tested CW proficiency want to get onto HF, make them get in with manual keys so they learn it.

And hopefully they will have fun. And having fun is the best way I think we can pull people into the CW supporting ranks if we do this the right way.

The alternative is to chase people away and turn them into people who despise people who operate CW as 'those elitist xxxxx'.

People we pull in will hopefully support us.

People we chase away may even take an active role in our demise.

Make a choice. And make it before it's no longer a choice, but a directive.

Mike
N1DVJ

End of QRP-L Digest 2962
